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Meron Gribetz: A glimpse of the future through an augmented reality headset | TED Talk

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Advanced Words Only

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Session 1: Word List

neuroscience

n. the scientific study of the function, structure, and disorder of the brain and the nervous system

(1) the branch of **neuroscience**, (2) a theoretical concept in **neuroscience**

Our university is famous for its professors, who are well-versed in behavioral **neuroscience**.

frost

n. a thin layer of ice that forms on surfaces when the temperature falls below freezing; weather cold enough to cause freezing

synonym : freeze, ice, blight

(1) five degrees of **frost**, (2) **frost** line

The **frost** on the ground made it slippery and difficult to walk.

hologram

n. a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications

synonym : 3D image, virtual image, projection

(1) **hologram** projection, (2) **hologram** technology

The museum had a **hologram** exhibit that was very popular with visitors.

eyeball

n. the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen

(1) **eyeball** motion, (2) redness of the **eyeball**

Increased **eyeball** pressure leads to the development of glaucoma.

glazed

adj. having a shiny surface or coating, as if covered in glass; having a dull, blank expression

synonym : shiny, glossy, glassy

(1) **glazed** roofing tile, (2) **glazed** finish

He looked at her with a **glazed** expression, not quite comprehending what she was saying.

swipe

v. to strike, hit, or slap with a sweeping motion; to pass a magnetic stripe or barcode through a scanner to read data; to steal or take something quickly and with little effort

synonym : flick, brush, pinch

(1) **swipe** a card, (2) **swipe** left on a dating app

He tried to **swipe** the phone from my hand, but I held on tight.

hysterical

adj. marked by or in a state of excessive or uncontrollable emotion

synonym : agitated, frantic, crazy

(1) **hysterical** laughter, (2) get **hysterical** easily

The frustration that had accumulated for a long time made her **hysterical**.

dichotomy

n. a division or contrast between two things that are or are represented as being opposed or entirely different; a sharp contrast between two opposing and mutually exclusive categories or concepts

synonym : division, duality, contrast

(1) moral **dichotomy**, (2) psychological **dichotomy**

The **dichotomy** between good and evil is common in literature and philosophy.

crappy

adj. of poor quality; not satisfactory

synonym : poor, unsatisfactory, inferior

(1) **crappy** service, (2) **crappy** Spanish

The food at the restaurant was **crappy** and overpriced.

ancestor

n. a person from whom one is descended; a forefather

synonym : forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

cognition

n. the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind

synonym : awareness, understanding, comprehension

(1) social **cognition**, (2) **cognition** disorder

The professor focused on the research of infant **cognition**.

campfire

n. an outdoor fire used for cooking, warmth, or light, often made by camping or in rural areas; a gathering or social event around such a fire

synonym : bonfire, blaze, fire pit

(1) **campfire** story, (2) roast marshmallows around the **campfire**

We sat around the **campfire** and told stories late into the night.

symphony

n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

synonym : orchestra, harmony, concert

(1) a **symphony** orchestra, (2) a beautiful **symphony**

The frequent performances of the **symphony** prove its popularity.

hunch

- v.* to lean forward or arch one's back in a way that suggests a feeling of suspicion or uncertainty; to have a feeling or presentiment that something is true or likely to happen, without evidence or explicit proof

synonym : crouch, guess, speculate

(1) **hunch** against the rain, (2) **hunch** up the shoulders
I **hunch** over my computer all day, and my back aches after a while.

rectangle

- n.* a four-sided geometric shape with four right angles, where opposite sides are parallel and of equal length

synonym : oblong, square, quadrangle

(1) orthogonal **rectangle**, (2) **rectangle** box

The living room had a **rectangle-shaped** coffee table in the center of it.

fumble

- v.* to handle something awkwardly; to make mistakes or errors in attempting something

synonym : botch, bumble, mishandle

(1) **fumble** about in a bag, (2) **fumble** a grounder

The receiver **fumbled** the ball, and the other team recovered it.

meta

- adj.* pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements

synonym : self-referential, introspective, recursive

(1) **meta-analysis**, (2) **meta-language**

The **meta** description of a website is an important element for search engine optimization.

immerse

- v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

synonym : dip, inundate, submerge

(1) **immerse** the cloth in the dye, (2) completely **immerse** the ingredient

He **immersed** himself in his research.

memorize

v. to learn something carefully so that you will remember it exactly

synonym: learn, remember, remind

(1) **memorize** musical scores, (2) try hard to **memorize** the lines

Lawyers need to **memorize** even the most minor provisions of the law.

augment

v. to increase the size, extent, quantity, etc. of something by adding something to it

synonym: boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity

Economic factors and monetary policy **augmented** inflation.

storytelling

n. the act or art of narrating or writing stories

synonym: narrating, relating, recounting

(1) **storytelling** performance, (2) courtroom **storytelling**

She was skilled in **storytelling** techniques, such as using different voices for other characters.

decorate

v. to add beauty or distinction to something by the addition of ornament, art, etc

synonym: adorn, embellish, beautify

(1) **decorate** a wall, (2) **decorate** for Christmas

They **decorated** the room with balloons and streamers for the birthday party.

gamification

n. the use of game design elements and techniques in non-game contexts to engage and motivate people to achieve their goals

(1) **gamification** of education, (2) use **gamification** to learning

The company implemented a **gamification** program to encourage employees to meet their sales targets.

boardroom

n. a room where the board of directors of a company or organization meets

synonym: meeting room, conference room, executive room

(1) **boardroom** meeting, (2) **boardroom** decision

The corporate **boardroom** was filled with tense silence as the CEO presented the new plan.

revolve

v. to rotate around a central point

synonym: rotate, spin, orbit

(1) **revolve** at high speed, (2) **revolve** around a central axis

The Earth **revolves** around the Sun in an elliptical orbit.

decode

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

synonym: decipher, translate, interpret

(1) **decode** a message, (2) ability to **decode** the differences

The software could **decode** the encrypted data and reveal the hidden information.

holography

n. a technique for creating three-dimensional images using lasers to record and reconstruct interference patterns

synonym: three-dimensional photography, laser holography, digital holography

(1) optical **holography**, (2) 3D **holography**

Holography technology uses light interference patterns to create a 3D image.

proprioception

n. the sense of the relative position of one's body parts and their movement, regulated by receptors in the muscles, tendons, and joints; the ability to sense where one's body is in space without relying on vision

synonym: body awareness, kinesthesia, sense of movement

(1) improve **proprioception**, (2) **proprioception** training

Athletes rely heavily on **proprioception** to perform complex movements with precision.

primate

n. any mammal of the order Primates, which includes monkeys, apes, and humans

synonym: ape, monkey, lemur

(1) **primate** species, (2) **primate** sanctuary

Many scientists study **primate** behavior and intelligence.

neuron

n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body

synonym: nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

distracted

adj. having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried

synonym: preoccupied, inattentive, absent-minded

(1) get **distracted** by an urgent matter, (2) **distracted** by a conversation

I was so **distracted** by my phone that I nearly walked into a lamppost.

explode

v. to burst or break open violently and noisily; to cause something to burst or break open

synonym: detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

cofounder

n. one of several people who establishes an organization or starts a business

(1) **cofounder** of the university, (2) late **cofounder**

He is the **cofounder** and chairman of this tech company.

figment

n. something invented or imagined, particularly something that is not real, tangible, or concrete; a product of the

imagination

synonym : illusion, fabrication, fantasy

(1) **figment** of imagination, (2) **figment** of memory

The idea that the government is spying on us is just a **figment** of your imagination.

profoundly

adv. to a great or complete degree; deeply

synonym : deeply, greatly, completely

(1) **profoundly** insightful, (2) sleep **profoundly**

The novel affected her **profoundly**, causing her to question her beliefs and values.

Session 2: Spelling

1. im____e the cloth in the dye *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
2. gam_____ion of education *n.* the use of game design elements and techniques in non-game contexts to engage and motivate people to achieve their goals
3. fu___e a grounder *v.* to handle something awkwardly; to make mistakes or errors in attempting something
4. improve pro_____ion *n.* the sense of the relative position of one's body parts and their movement, regulated by receptors in the muscles, tendons, and joints; the ability to sense where one's body is in space without relying on vision
5. a sy____ny orchestra *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
6. optical hol_____hy *n.* a technique for creating three-dimensional images using lasers to record and reconstruct interference patterns
7. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 1. immerse, 2. gamification, 3. fumble, 4. proprioception, 5. symphony, 6. holography, 7. neuroscience

8. de____te a wall *v.* to add beauty or distinction to something by the addition of ornament, art, etc
9. 3D hol_____hy *n.* a technique for creating three-dimensional images using lasers to record and reconstruct interference patterns
10. hu__h against the rain *v.* to lean forward or arch one's back in a way that suggests a feeling of suspicion or uncertainty; to have a feeling or presentiment that something is true or likely to happen, without evidence or explicit proof
11. social co_____on *n.* the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind
12. de___e a message *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
13. pro_____ion training *n.* the sense of the relative position of one's body parts and their movement, regulated by receptors in the muscles, tendons, and joints; the ability to sense where one's body is in space without relying on vision
14. re_____le box *n.* a four-sided geometric shape with four right angles, where opposite sides are parallel and of equal length

ANSWERS: 8. decorate, 9. holography, 10. hunch, 11. cognition, 12. decode, 13. proprioception, 14. rectangle

15. try hard to me_____ze the lines *v.* to learn something carefully so that you will remember it exactly
16. ex_____e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
17. gl____d finish *adj.* having a shiny surface or coating, as if covered in glass; having a dull, blank expression
18. use gam_____ion to learning *n.* the use of game design elements and techniques in non-game contexts to engage and motivate people to achieve their goals
19. fu____e about in a bag *v.* to handle something awkwardly; to make mistakes or errors in attempting something
20. fi_____t of memory *n.* something invented or imagined, particularly something that is not real, tangible, or concrete; a product of the imagination
21. gl____d roofing tile *adj.* having a shiny surface or coating, as if covered in glass; having a dull, blank expression
22. sto_____ing performance *n.* the act or art of narrating or writing stories
23. au_____t the reality *v.* to increase the size, extent, quantity, etc. of something by adding something to it
24. psychological di_____my *n.* a division or contrast between two things that are or are represented as being opposed or entirely different; a sharp contrast between two opposing and mutually exclusive categories or concepts

ANSWERS: 15. memorize, 16. explode, 17. glazed, 18. gamification, 19. fumble, 20. figment, 21. glazed, 22. storytelling, 23. augment, 24. dichotomy

25. ho____am technology *n.* a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications
26. fi____t of imagination *n.* something invented or imagined, particularly something that is not real, tangible, or concrete; a product of the imagination
27. an____or language *n.* a person from whom one is descended; a forefather
28. m__a-analysis *adj.* pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements
29. completely im____e the ingredient *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
30. ca____re story *n.* an outdoor fire used for cooking, warmth, or light, often made by camping or in rural areas; a gathering or social event around such a fire
31. co____er of the university *n.* one of several people who establishes an organization or starts a business
32. ey____l motion *n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen

ANSWERS: 25. hologram, 26. figment, 27. ancestor, 28. meta, 29. immerse, 30. campfire, 31. cofounder, 32. eyeball

33. ne___n cell body *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
34. sleep pro_____ly *adv.* to a great or complete degree; deeply
35. a theoretical concept in neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
36. a beautiful sy_____ny *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
37. cr___y service *adj.* of poor quality; not satisfactory
38. roast marshmallows around the ca_____re *n.* an outdoor fire used for cooking, warmth, or light, often made by camping or in rural areas; a gathering or social event around such a fire
39. pr_____e species *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
40. get hys_____al easily *adj.* marked by or in a state of excessive or uncontrollable emotion
41. pro_____ly insightful *adv.* to a great or complete degree; deeply
42. bo_____om meeting *n.* a room where the board of directors of a company or organization meets
43. m__a-language *adj.* pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements

ANSWERS: 33. neuron, 34. profoundly, 35. neuroscience, 36. symphony, 37. crappy, 38. campfire, 39. primate, 40. hysterical, 41. profoundly, 42. boardroom, 43. meta

44. fr__t line *n.* a thin layer of ice that forms on surfaces when the temperature falls below freezing; weather cold enough to cause freezing
45. co_____on disorder *n.* the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind
46. re_____e around a central axis *v.* to rotate around a central point
47. sw__e a card *v.* to strike, hit, or slap with a sweeping motion; to pass a magnetic stripe or barcode through a scanner to read data; to steal or take something quickly and with little effort
48. ho_____am projection *n.* a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications
49. get dis_____ed by an urgent matter *adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried
50. re_____e at high speed *v.* to rotate around a central point
51. au_____t immunity *v.* to increase the size, extent, quantity, etc. of something by adding something to it
52. earliest human an_____or *n.* a person from whom one is descended; a forefather

ANSWERS: 44. frost, 45. cognition, 46. revolve, 47. swipe, 48. hologram, 49. distracted, 50. revolve, 51. augment, 52. ancestor

53. sw__e left on a dating app *v.* to strike, hit, or slap with a sweeping motion; to pass a magnetic stripe or barcode through a scanner to read data; to steal or take something quickly and with little effort
54. dis_____ed by a conversation *adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried
55. courtroom sto_____ing *n.* the act or art of narrating or writing stories
56. redness of the ey_____l *n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen
57. ability to de___e the differences *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
58. excite the ne___ns *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
59. hys_____al laughter *adj.* marked by or in a state of excessive or uncontrollable emotion
60. me_____ze musical scores *v.* to learn something carefully so that you will remember it exactly
61. moral di_____my *n.* a division or contrast between two things that are or are represented as being opposed or entirely different; a sharp contrast between two opposing and mutually exclusive categories or concepts

ANSWERS: 53. swipe, 54. distracted, 55. storytelling, 56. eyeball, 57. decode, 58. neuron, 59. hysterical, 60. memorize, 61. dichotomy

62. ex_____e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
63. late co_____er *n.* one of several people who establishes an organization or starts a business
64. orthogonal re_____le *n.* a four-sided geometric shape with four right angles, where opposite sides are parallel and of equal length
65. cr____y Spanish *adj.* of poor quality; not satisfactory
66. de_____te for Christmas *v.* to add beauty or distinction to something by the addition of ornament, art, etc
67. bo_____om decision *n.* a room where the board of directors of a company or organization meets
68. pr_____e sanctuary *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
69. five degrees of fr__t *n.* a thin layer of ice that forms on surfaces when the temperature falls below freezing; weather cold enough to cause freezing
70. hu__h up the shoulders *v.* to lean forward or arch one's back in a way that suggests a feeling of suspicion or uncertainty; to have a feeling or presentiment that something is true or likely to happen, without evidence or explicit proof

ANSWERS: 62. explode, 63. cofounder, 64. rectangle, 65. crappy, 66. decorate, 67. boardroom, 68. primate, 69. frost, 70. hunch

Session 3: Fill in the Blanks

1. The _____ description of a website is an important element for search engine optimization.
adj. pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements
2. They _____ the room with balloons and streamers for the birthday party.
v. to add beauty or distinction to something by the addition of ornament, art, etc
3. He tried to _____ the phone from my hand, but I held on tight.
v. to strike, hit, or slap with a sweeping motion; to pass a magnetic stripe or barcode through a scanner to read data; to steal or take something quickly and with little effort
4. _____ technology uses light interference patterns to create a 3D image.
n. a technique for creating three-dimensional images using lasers to record and reconstruct interference patterns
5. Athletes rely heavily on _____ to perform complex movements with precision.
n. the sense of the relative position of one's body parts and their movement, regulated by receptors in the muscles, tendons, and joints; the ability to sense where one's body is in space without relying on vision
6. The Earth _____ around the Sun in an elliptical orbit.
v. to rotate around a central point

ANSWERS: 1. meta, 2. decorated, 3. swipe, 4. Holography, 5. proprioception, 6. revolves

7. He is the _____ and chairman of this tech company.
n. one of several people who establishes an organization or starts a business
8. He looked at her with a _____ expression, not quite comprehending what she was saying.
adj. having a shiny surface or coating, as if covered in glass; having a dull, blank expression
9. I was so _____ by my phone that I nearly walked into a lamppost.
adj. having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried
10. The company implemented a _____ program to encourage employees to meet their sales targets.
n. the use of game design elements and techniques in non-game contexts to engage and motivate people to achieve their goals
11. The receiver _____ the ball, and the other team recovered it.
v. to handle something awkwardly; to make mistakes or errors in attempting something
12. Economic factors and monetary policy _____ inflation.
v. to increase the size, extent, quantity, etc. of something by adding something to it
13. The frustration that had accumulated for a long time made her _____.
adj. marked by or in a state of excessive or uncontrollable emotion
14. The software could _____ the encrypted data and reveal the hidden information.
v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

ANSWERS: 7. cofounder, 8. glazed, 9. distracted, 10. gamification, 11. fumbled, 12. augmented, 13. hysterical, 14. decode

15. The _____ between good and evil is common in literature and philosophy.
- n.* a division or contrast between two things that are or are represented as being opposed or entirely different; a sharp contrast between two opposing and mutually exclusive categories or concepts
16. The frequent performances of the _____ prove its popularity.
- n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
17. Our university is famous for its professors, who are well-versed in behavioral _____.
- n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
18. The museum had a _____ exhibit that was very popular with visitors.
- n.* a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications
19. Our body transfers information along each _____ using an electrical impulse.
- n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
20. Increased _____ pressure leads to the development of glaucoma.
- n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen
21. The corporate _____ was filled with tense silence as the CEO presented the new plan.
- n.* a room where the board of directors of a company or organization meets

ANSWERS: 15. dichotomy, 16. symphony, 17. neuroscience, 18. hologram, 19. neuron, 20. eyeball, 21. boardroom

22. The living room had a _____ coffee table in the center of it.
- n.* a four-sided geometric shape with four right angles, where opposite sides are parallel and of equal length
23. He _____ himself in his research.
- v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
24. I _____ over my computer all day, and my back aches after a while.
- v.* to lean forward or arch one's back in a way that suggests a feeling of suspicion or uncertainty; to have a feeling or presentiment that something is true or likely to happen, without evidence or explicit proof
25. Many scientists study _____ behavior and intelligence.
- n.* any mammal of the order Primates, which includes monkeys, apes, and humans
26. The food at the restaurant was _____ and overpriced.
- adj.* of poor quality; not satisfactory
27. My remote _____ immigrated to the United States from Ireland in the 1800s.
- n.* a person from whom one is descended; a forefather
28. We sat around the _____ and told stories late into the night.
- n.* an outdoor fire used for cooking, warmth, or light, often made by camping or in rural areas; a gathering or social event around such a fire
29. She was skilled in _____ techniques, such as using different voices for other characters.
- n.* the act or art of narrating or writing stories

ANSWERS: 22. rectangle-shaped, 23. immersed, 24. hunch, 25. primate, 26. crappy, 27. ancestor, 28. campfire, 29. storytelling

30. The novel affected her _____ causing her to question her beliefs and values.

adv. to a great or complete degree; deeply

31. The idea that the government is spying on us is just a _____ of your imagination.

n. something invented or imagined, particularly something that is not real, tangible, or concrete; a product of the imagination

32. The old building _____ in a fiery inferno.

v. to burst or break open violently and noisily; to cause something to burst or break open

33. The _____ on the ground made it slippery and difficult to walk.

n. a thin layer of ice that forms on surfaces when the temperature falls below freezing; weather cold enough to cause freezing

34. The professor focused on the research of infant _____.

n. the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind

35. Lawyers need to _____ even the most minor provisions of the law.

v. to learn something carefully so that you will remember it exactly

ANSWERS: 30. profoundly, 31. figment, 32. exploded, 33. frost, 34. cognition, 35. memorize