python3 project2.py -gpt3 AIzaSyCd_08r6XxUY6kw8UlNRfPQv4YbtYNEZk8 770de34f24048bef9 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 2 0.0 "bill gates microsoft" 10

Parameters:
Client key=   AIzaSyCd_08r6XxUY6kw8UlNRfPQv4YbtYNEZk8
Engine key=   770de34f24048bef9
OpenAI key=   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
Method= gpt3
Relation=   Work_For
Threshold=   0.0
Query= bill gates microsoft
# of Tuples=   10

Loading necessary libraries; This should take a minute or so ...)

=========== Iteration: 1 - Query: bill gates microsoft ===========
Loading pre-trained spanBERT from ./pretrained_spanbert
URL (1/10): https://en.wikipedia.org/wiki/Bill_Gates
Fetching text from url ...
successful
Trimming webpage content from 129755 to 10000 characters
Webpage length (num characters): 10000
Annotating the webpage using spacy...
Extracted 58 sentences. Processing each sentence one by one to check for presence of right pair of named entity types; if so, will run the second pipeline ...
        === Extracted Relation ===
        Sentence: Bill GatesGates in 2018BornWilliam Henry Gates III (1955-10-28) October 28, 1955 (age 67)Seattle, Washington, U.S.EducationHarvard University(dropped out)OccupationsBusinessmanphilanthropistinvestorwriterYears active1972–presentKnown forCo-founder of Microsoft and Bill & Melinda Gates FoundationTitle Partial list of founded and chaired companies Co-chair of the Bill & Melinda Gates Foundation Chairman and founder of Branded Entertainment Network Chairman and founder of Cascade Investment Chairman and co-founder of TerraPower Founder of Breakthrough Energy Founder of Gates Ventures Technology advisor of Microsoft[1] Board member ofBerkshire HathawayMicrosoft(former, both)SpouseMelinda French (m.
        Subject: Bill Gates ; Object: Microsoft
        Adding to set of extracted relations
        ==========

        === Extracted Relation ===
        Sentence: Bill GatesGates in 2018BornWilliam Henry Gates III (1955-10-28) October 28, 1955 (age 67)Seattle, Washington, U.S.EducationHarvard University(dropped out)OccupationsBusinessmanphilanthropistinvestorwriterYears active1972–presentKnown

forCo-founder of Microsoft and Bill & Melinda Gates FoundationTitle Partial list of founded and chaired companies Co-chair of the Bill & Melinda Gates Foundation Chairman and founder of Branded Entertainment Network Chairman and founder of Cascade Investment Chairman and co-founder of TerraPower Founder of Breakthrough Energy Founder of Gates Ventures Technology advisor of Microsoft[1] Board member ofBerkshire HathawayMicrosoft(former, both)SpouseMelinda French (m.

       Subject: Bill Gates ; Object: Berkshire Hathaway
       Adding to set of extracted relations
       ==========

       === Extracted Relation ===
       Sentence: Bill GatesGates in 2018BornWilliam Henry Gates III (1955-10-28) October 28, 1955 (age 67)Seattle, Washington, U.S.EducationHarvard University(dropped out)OccupationsBusinessmanphilanthropistinvestorwriterYears active1972–presentKnown forCo-founder of Microsoft and Bill & Melinda Gates FoundationTitle Partial list of founded and chaired companies Co-chair of the Bill & Melinda Gates Foundation Chairman and founder of Branded Entertainment Network Chairman and founder of Cascade Investment Chairman and co-founder of TerraPower Founder of Breakthrough Energy Founder of Gates Ventures Technology advisor of Microsoft[1] Board member ofBerkshire HathawayMicrosoft(former, both)SpouseMelinda French (m.

       Subject: Bill Gates ; Object: Bill & Melinda Gates Foundation
       Adding to set of extracted relations
       ==========

       === Extracted Relation ===
       Sentence: Bill GatesGates in 2018BornWilliam Henry Gates III (1955-10-28) October 28, 1955 (age 67)Seattle, Washington, U.S.EducationHarvard University(dropped out)OccupationsBusinessmanphilanthropistinvestorwriterYears active1972–presentKnown forCo-founder of Microsoft and Bill & Melinda Gates FoundationTitle Partial list of founded and chaired companies Co-chair of the Bill & Melinda Gates Foundation Chairman and founder of Branded Entertainment Network Chairman and founder of Cascade Investment Chairman and co-founder of TerraPower Founder of Breakthrough Energy Founder of Gates Ventures Technology advisor of Microsoft[1] Board member ofBerkshire HathawayMicrosoft(former, both)SpouseMelinda French (m.

       Subject: Bill Gates ; Object: Branded Entertainment Network
       Adding to set of extracted relations
       ==========

       === Extracted Relation ===
       Sentence: Bill GatesGates in 2018BornWilliam Henry Gates III (1955-10-28) October 28, 1955 (age 67)Seattle, Washington, U.S.EducationHarvard University(dropped out)OccupationsBusinessmanphilanthropistinvestorwriterYears active1972–presentKnown forCo-founder of Microsoft and Bill & Melinda Gates FoundationTitle Partial list of founded and chaired companies Co-chair of the Bill & Melinda Gates Foundation Chairman and founder of

Branded Entertainment Network Chairman and founder of Cascade Investment Chairman and co-founder of TerraPower Founder of Breakthrough Energy Founder of Gates Ventures Technology advisor of Microsoft[1] Board member ofBerkshire HathawayMicrosoft(former, both)SpouseMelinda French (m.

> Subject: Bill Gates ; Object: Cascade Investment
> Adding to set of extracted relations
> ==========

> === Extracted Relation ===
> Sentence: Bill GatesGates in 2018BornWilliam Henry Gates III (1955-10-28) October 28, 1955 (age 67)Seattle, Washington, U.S.EducationHarvard University(dropped out)OccupationsBusinessmanphilanthropistinvestorwriterYears active1972–presentKnown forCo-founder of Microsoft and Bill & Melinda Gates FoundationTitle Partial list of founded and chaired companies Co-chair of the Bill & Melinda Gates Foundation Chairman and founder of Branded Entertainment Network Chairman and founder of Cascade Investment Chairman and co-founder of TerraPower Founder of Breakthrough Energy Founder of Gates Ventures Technology advisor of Microsoft[1] Board member ofBerkshire HathawayMicrosoft(former, both)SpouseMelinda French (m.

> Subject: Bill Gates ; Object: TerraPower
> Adding to set of extracted relations
> ==========

> === Extracted Relation ===
> Sentence: Bill GatesGates in 2018BornWilliam Henry Gates III (1955-10-28) October 28, 1955 (age 67)Seattle, Washington, U.S.EducationHarvard University(dropped out)OccupationsBusinessmanphilanthropistinvestorwriterYears active1972–presentKnown forCo-founder of Microsoft and Bill & Melinda Gates FoundationTitle Partial list of founded and chaired companies Co-chair of the Bill & Melinda Gates Foundation Chairman and founder of Branded Entertainment Network Chairman and founder of Cascade Investment Chairman and co-founder of TerraPower Founder of Breakthrough Energy Founder of Gates Ventures Technology advisor of Microsoft[1] Board member ofBerkshire HathawayMicrosoft(former, both)SpouseMelinda French (m.

> Subject: Bill Gates ; Object: Breakthrough Energy
> Adding to set of extracted relations
> ==========

> === Extracted Relation ===
> Sentence: Bill GatesGates in 2018BornWilliam Henry Gates III (1955-10-28) October 28, 1955 (age 67)Seattle, Washington, U.S.EducationHarvard University(dropped out)OccupationsBusinessmanphilanthropistinvestorwriterYears active1972–presentKnown forCo-founder of Microsoft and Bill & Melinda Gates FoundationTitle Partial list of founded and chaired companies Co-chair of the Bill & Melinda Gates Foundation Chairman and founder of Branded Entertainment Network Chairman and founder of Cascade Investment Chairman and co-founder of TerraPower Founder of Breakthrough Energy Founder of Gates Ventures

Technology advisor of Microsoft[1] Board member ofBerkshire HathawayMicrosoft(former, both)SpouseMelinda French (m.
       Subject: Bill Gates ; Object: Gates Ventures
       Adding to set of extracted relations
       =========

       Proccessed 5/28 sentences
       === Extracted Relation ===
       Sentence: In 1975, he and Allen founded Microsoft in Albuquerque, New Mexico.
       Subject: Bill Gates ; Object: Microsoft
       Ignoring duplicate
       =========

       === Extracted Relation ===
       Sentence: In 1975, he and Allen founded Microsoft in Albuquerque, New Mexico.
       Subject: Paul Allen ; Object: Microsoft
       Adding to set of extracted relations
       =========

       Proccessed 10/28 sentences
       Proccessed 15/28 sentences
       Proccessed 20/28 sentences
       === Extracted Relation ===
       Sentence: Towards the end of their junior year, Evans was killed in a mountain climbing accident, which Gates has described as one of the saddest days of his life.
       Subject: Evans ; Object:
       Adding to set of extracted relations
       =========

       === Extracted Relation ===
       Sentence: Towards the end of their junior year, Evans was killed in a mountain climbing accident, which Gates has described as one of the saddest days of his life.
       Subject: Gates ; Object:
       Adding to set of extracted relations
       =========

       Proccessed 25/28 sentences
       Extracted annotations 3 out of total 28 sentences

Relations extracted from this website: 11 (Overall: 12)
URL (2/10): https://www.britannica.com/biography/Bill-Gates
Fetching text from url ...
successful
Trimming webpage content from 28907 to 10000 characters
Webpage length (num characters): 10000
Annotating the webpage using spacy...
Extracted 1 sentences. Processing each sentence one by one to check for presence of right pair of named entity types; if so, will run the second pipeline ...
            === Extracted Relation ===
            Sentence: Bill Gates | Biography, Microsoft, & Facts | Britannica Bill Gates Table of Contents Bill Gates Table of Contents Introduction & Top Questions Fast Facts Bill Gates summary Facts & Related Content Quizzes A Brief History of the Computer Told from the 1990s: A Quiz Computers and Technology Quiz Media Images More More Articles On This Topic Contributors Article History Related Biographies Steve Ballmer American businessman Steve Wozniak
            Subject: Bill Gates ; Object: Microsoft
            Ignoring duplicate
            ==========

            Extracted annotations 1 out of total 1 sentences
            Relations extracted from this website: 0 (Overall: 1)
URL (3/10): https://twitter.com/BillGates
Fetching text from url ...
successful
Webpage length (num characters): 511
Annotating the webpage using spacy...
Extracted 7 sentences. Processing each sentence one by one to check for presence of right pair of named entity types; if so, will run the second pipeline ...
            Proccessed 5/6 sentences
            Extracted annotations 0 out of total 6 sentences
            Relations extracted from this website: 0 (Overall: 0)
URL (4/10):
https://news.microsoft.com/2020/03/13/microsoft-announces-change-to-its-board-of-directors/
Fetching text from url ...
HTTP Error
403 Client Error: Forbidden for url:
https://news.microsoft.com/2020/03/13/microsoft-announces-change-to-its-board-of-directors/
URL (5/10): https://www.forbes.com/profile/bill-gates/
Fetching text from url ...
successful
Webpage length (num characters): 6606

Annotating the webpage using spacy...
Extracted 30 sentences. Processing each sentence one by one to check for presence of right pair of named entity types; if so, will run the second pipeline ...

=== Extracted Relation ===
Sentence: Bill Gates PROFILEBill GatesCochair, Bill & Melinda Gates Foundation$107.8B$75M (0.07%)Real Time Net Worthas of 3/27/23Reflects change since 5 pm ET of prior trading day.#5 in the world todayPhoto by John KeatleyAbout Bill GatesBill Gates turned his fortune from software firm Microsoft into diversified holdings including investments in zero-carbon energy.
Subject: Bill Gates ; Object: Microsoft
Ignoring duplicate
==========

=== Extracted Relation ===
Sentence: Bill Gates PROFILEBill GatesCochair, Bill & Melinda Gates Foundation$107.8B$75M (0.07%)Real Time Net Worthas of 3/27/23Reflects change since 5 pm ET of prior trading day.#5 in the world todayPhoto by John KeatleyAbout Bill GatesBill Gates turned his fortune from software firm Microsoft into diversified holdings including investments in zero-carbon energy.
Subject: Bill Gates ; Object: Bill & Melinda Gates Foundation
Ignoring duplicate
==========

=== Extracted Relation ===
Sentence: Gates, who cofounded Microsoft with Paul Allen (d. 2018) in 1975, transferred at least $6 billion worth of shares in public companies to Melinda as part of the divorce settlement.
Subject: Gates ; Object: Microsoft
Adding to set of extracted relations
==========

=== Extracted Relation ===
Sentence: Gates, who cofounded Microsoft with Paul Allen (d. 2018) in 1975, transferred at least $6 billion worth of shares in public companies to Melinda as part of the divorce settlement.
Subject: Paul Allen ; Object: Microsoft
Ignoring duplicate
==========

=== Extracted Relation ===

Sentence: Gates, who cofounded Microsoft with Paul Allen (d. 2018) in 1975, transferred at least $6 billion worth of shares in public companies to Melinda as part of the divorce settlement.

Subject: Melinda ; Object: Microsoft

Adding to set of extracted relations

==========

Proccessed 5/29 sentences

=== Extracted Relation ===

Sentence: Wealth HistoryHOVER TO REVEAL NET WORTH BY YEARForbes Lists#3Forbes 400 (2022)#4Billionaires (2022)#7Powerful People (2018)#1Richest In Tech (2017)The Richest Person In Every State (2017)Dropped off in 2018The Richest Person In America's 50 Largest Cities (2016)More ListsPersonal StatsAge67Source of WealthMicrosoft, Self MadeSelf-Made Score8Philanthropy Score5ResidenceMedina, WashingtonCitizenshipUnited StatesMarital StatusDivorcedChildren3EducationDrop Out, Harvard UniversityDid you knowWhen Gates was a kid, he spent so much time reading that his parents finally forbade him from bringing books to the dinner table.

Subject: Bill Gates ; Object: Microsoft

Ignoring duplicate

==========

Proccessed 10/29 sentences

=== Extracted Relation ===

Sentence: Bill GatesRelated People & CompaniesWarren BuffettFriendView ProfileMicrosoftHolds stake in MicrosoftView ProfileHarvard UniversityAttended the schoolView ProfileSteve BallmerBusiness AssociateView ProfileEcolabHolds stake in EcolabView ProfileSeattle, WAResides in Seattle, WA Metropolitan AreaView ProfileSee MoreSee LessMore on ForbesMar 24, 2023Bill Gates's Open Letter Suggests AI's Potential Is Both Exciting And TerrifyingBill Gates being the latest to publish his thoughts on how artificial intelligence could revolutionize different industries.ByQ.ai - Powering a Personal Wealth MovementContributorMar 24, 2023House Passes Bill That Makes Schoolkids Get Permission Before Changing Gender IDThe legislation would require elementary schools to obtain parental consent if a child wants to change their gender accommodations.

Subject: Bill Gates ; Object: Microsoft

Ignoring duplicate

==========

=== Extracted Relation ===

Sentence: Bill GatesRelated People & CompaniesWarren BuffettFriendView ProfileMicrosoftHolds stake in MicrosoftView ProfileHarvard UniversityAttended the schoolView

ProfileSteve BallmerBusiness AssociateView ProfileEcolabHolds stake in EcolabView ProfileSeattle, WAResides in Seattle, WA Metropolitan AreaView ProfileSee MoreSee LessMore on ForbesMar 24, 2023Bill Gates's Open Letter Suggests AI's Potential Is Both Exciting And TerrifyingBill Gates being the latest to publish his thoughts on how artificial intelligence could revolutionize different industries.ByQ.ai - Powering a Personal Wealth MovementContributorMar 24, 2023House Passes Bill That Makes Schoolkids Get Permission Before Changing Gender IDThe legislation would require elementary schools to obtain parental consent if a child wants to change their gender accommodations.

Subject: Bill Gates ; Object: Harvard University
Adding to set of extracted relations
==========

=== Extracted Relation ===
Sentence: Bill GatesRelated People & CompaniesWarren BuffettFriendView ProfileMicrosoftHolds stake in MicrosoftView ProfileHarvard UniversityAttended the schoolView ProfileSteve BallmerBusiness AssociateView ProfileEcolabHolds stake in EcolabView ProfileSeattle, WAResides in Seattle, WA Metropolitan AreaView ProfileSee MoreSee LessMore on ForbesMar 24, 2023Bill Gates's Open Letter Suggests AI's Potential Is Both Exciting And TerrifyingBill Gates being the latest to publish his thoughts on how artificial intelligence could revolutionize different industries.ByQ.ai - Powering a Personal Wealth MovementContributorMar 24, 2023House Passes Bill That Makes Schoolkids Get Permission Before Changing Gender IDThe legislation would require elementary schools to obtain parental consent if a child wants to change their gender accommodations.

Subject: Bill Gates ; Object: Ecolab
Adding to set of extracted relations
==========

=== Extracted Relation ===
Sentence: Bill GatesRelated People & CompaniesWarren BuffettFriendView ProfileMicrosoftHolds stake in MicrosoftView ProfileHarvard UniversityAttended the schoolView ProfileSteve BallmerBusiness AssociateView ProfileEcolabHolds stake in EcolabView ProfileSeattle, WAResides in Seattle, WA Metropolitan AreaView ProfileSee MoreSee LessMore on ForbesMar 24, 2023Bill Gates's Open Letter Suggests AI's Potential Is Both Exciting And TerrifyingBill Gates being the latest to publish his thoughts on how artificial intelligence could revolutionize different industries.ByQ.ai - Powering a Personal Wealth MovementContributorMar 24, 2023House Passes Bill That Makes Schoolkids Get Permission Before Changing Gender IDThe legislation would require elementary schools to obtain parental consent if a child wants to change their gender accommodations.

Subject: Bill Gates ; Object: OpenAI
Adding to set of extracted relations
==========

=== Extracted Relation ===
Sentence: ByLaura SmytheForbes StaffMar 21, 2023Bill Gates Thinks AI Will Revolutionize Healthcare For World's PoorestGates called artificial intelligence the "most important advance" in tech since computers were developed, and said its shortcomings will be resolved in less than two years, if not sooner.
Subject: Bill Gates ; Object: OpenAI
Ignoring duplicate
==========

Proccessed 15/29 sentences
=== Extracted Relation ===
Sentence: ByEmily WashburnForbes StaffFeb 8, 2023Light Field Lab Raises $50M To Bring SolidLight Holograms Into The Real WorldNew investors include NCSOFT, Bill Gates (Gates Frontier), LG, and CorningByCharlie FinkContributorFeb 6, 2023Forbes Daily: Hot Sauce Billionaire 🌶️How one Vietnamese refugee built Sriracha into a billion-dollar business; Bill Gates speaks about AI; the rise of activist investors; and more.
Subject: Emily Washburn ; Object: Forbes
Adding to set of extracted relations
==========

=== Extracted Relation ===
Sentence: ByEmily WashburnForbes StaffFeb 8, 2023Light Field Lab Raises $50M To Bring SolidLight Holograms Into The Real WorldNew investors include NCSOFT, Bill Gates (Gates Frontier), LG, and CorningByCharlie FinkContributorFeb 6, 2023Forbes Daily: Hot Sauce Billionaire 🌶️How one Vietnamese refugee built Sriracha into a billion-dollar business; Bill Gates speaks about AI; the rise of activist investors; and more.
Subject: Bill Gates ; Object: Gates Frontier
Adding to set of extracted relations
==========

=== Extracted Relation ===
Sentence: ByEmily WashburnForbes StaffFeb 8, 2023Light Field Lab Raises $50M To Bring SolidLight Holograms Into The Real WorldNew investors include NCSOFT, Bill Gates (Gates Frontier), LG, and CorningByCharlie FinkContributorFeb 6, 2023Forbes Daily: Hot Sauce Billionaire 🌶️How one Vietnamese refugee built Sriracha into a billion-dollar business; Bill Gates speaks about AI; the rise of activist investors; and more.
Subject: LG ; Object: NCSOFT
Adding to set of extracted relations
==========

=== Extracted Relation ===

Sentence: ByEmily WashburnForbes StaffFeb 8, 2023Light Field Lab Raises $50M To Bring SolidLight Holograms Into The Real WorldNew investors include NCSOFT, Bill Gates (Gates Frontier), LG, and CorningByCharlie FinkContributorFeb 6, 2023Forbes Daily: Hot Sauce Billionaire 🌶️How one Vietnamese refugee built Sriracha into a billion-dollar business; Bill Gates speaks about AI; the rise of activist investors; and more.

Subject: Corning ; Object: Bill Gates
Adding to set of extracted relations
==========

Proccessed 20/29 sentences
=== Extracted Relation ===
Sentence: He's Still Fabulously WealthyKerry Dolan breaks down how Bill Gates has remained so wealthy and how he fared in 2022.ByRiley HallawayForbes StaffWATCHDec 20, 2022Soon-To-Be Grandfather Bill Gates Is Betting On AI, Gene Therapy And Other New Technologies To Solve Global ProblemsThe Microsoft cofounder outlines in his 14th annual letter how and where the Gates Foundation plans to give its next billions.

Subject: Bill Gates ; Object: Microsoft
Ignoring duplicate
==========

=== Extracted Relation ===
Sentence: He's Still Fabulously WealthyKerry Dolan breaks down how Bill Gates has remained so wealthy and how he fared in 2022.ByRiley HallawayForbes StaffWATCHDec 20, 2022Soon-To-Be Grandfather Bill Gates Is Betting On AI, Gene Therapy And Other New Technologies To Solve Global ProblemsThe Microsoft cofounder outlines in his 14th annual letter how and where the Gates Foundation plans to give its next billions.

Subject: Bill Gates ; Object: Gates Foundation
Adding to set of extracted relations
==========

=== Extracted Relation ===
Sentence: ByKerry A. DolanForbes StaffNov 17, 2022Bill Gates' Foundation Pledges $7 Billion To Support Africa Health And AgricultureGates and his former wife, Melina French Gates, are the biggest philanthropists of all time.

Subject: Bill Gates ; Object: Gates Foundation
Ignoring duplicate
==========

=== Extracted Relation ===

Sentence: ByKerry A. DolanForbes StaffNov 17, 2022Bill Gates' Foundation Pledges $7 Billion To Support Africa Health And AgricultureGates and his former wife, Melina French Gates, are the biggest philanthropists of all time.

Subject: Melina French Gates ; Object: Gates Foundation

Adding to set of extracted relations

=========

=== Extracted Relation ===

Sentence: ByCarlie PorterfieldFormer StaffNov 15, 2022Behind The Billions: Bill GatesHow did Bill Gates, the world's most generous philanthropist and founder of Microsoft, become a billionaire?

Subject: Bill Gates ; Object: Microsoft

Ignoring duplicate

=========

Proccessed 25/29 sentences

=== Extracted Relation ===

Sentence: ByForbes Wealth TeamForbes StaffSep 27, 2022The Definitive Net Worth Of Donald TrumpHe's nowhere near as rich as he boasts, nor as poor as his critics claim.

Subject: Donald Trump ; Object: Forbes Wealth Team

Adding to set of extracted relations

=========

=== Extracted Relation ===

Sentence: ByDan AlexanderForbes StaffSep 22, 2022The Richest Women In AmericaByChase Peterson-WithornForbes StaffMore Articlesalso on forbesBill Gates's Open Letter Suggests AI's Potential Is Both Exciting And TerrifyingHouse Passes Bill That Makes Schoolkids Get Permission Before Changing Gender IDForbes Daily: 'Different From 2008' 🏛

Subject: Dan Alexander ; Object: Forbes

Adding to set of extracted relations

=========

=== Extracted Relation ===

Sentence: ByDan AlexanderForbes StaffSep 22, 2022The Richest Women In AmericaByChase Peterson-WithornForbes StaffMore Articlesalso on forbesBill Gates's Open Letter Suggests AI's Potential Is Both Exciting And TerrifyingHouse Passes Bill That Makes Schoolkids Get Permission Before Changing Gender IDForbes Daily: 'Different From 2008' 🏛

Subject: Chase Peterson-Withorn ; Object: Forbes

Adding to set of extracted relations
==========

=== Extracted Relation ===
Sentence: ByDan AlexanderForbes StaffSep 22, 2022The Richest Women In AmericaByChase Peterson-WithornForbes StaffMore Articlesalso on forbesBill Gates's Open Letter Suggests AI's Potential Is Both Exciting And TerrifyingHouse Passes Bill That Makes Schoolkids Get Permission Before Changing Gender IDForbes Daily: 'Different From 2008' 🏛️
Subject: Bill Gates ; Object: Open Letter
Adding to set of extracted relations
==========

Extracted annotations 11 out of total 29 sentences
Relations extracted from this website: 15 (Overall: 24)
URL (6/10): https://www.gatesnotes.com/
Fetching text from url ...
HTTP Error
403 Client Error: Forbidden for url: https://www.gatesnotes.com/
URL (7/10):
https://www.forbes.com/sites/alexkonrad/2023/02/06/bill-gates-openai-microsoft-ai-hottest-topic-2023/
Fetching text from url ...
successful
Trimming webpage content from 11990 to 10000 characters
Webpage length (num characters): 10000
Annotating the webpage using spacy...
Extracted 99 sentences. Processing each sentence one by one to check for presence of right pair of named entity types; if so, will run the second pipeline ...
=== Extracted Relation ===
Sentence: Exclusive: Bill Gates On Advising OpenAI, Microsoft And Why AI Is 'The Hottest Topic Of 2023'BETAThis is a BETA experience.
Subject: Bill Gates ; Object: OpenAI
Ignoring duplicate
==========

=== Extracted Relation ===
Sentence: Exclusive: Bill Gates On Advising OpenAI, Microsoft And Why AI Is 'The Hottest Topic Of 2023'BETAThis is a BETA experience.
Subject: Bill Gates ; Object: Microsoft
Ignoring duplicate
==========

=== Extracted Relation ===
Sentence: By Alex Konrad In 2020, Bill Gates left the board of directors of Microsoft, the tech giant he cofounded in 1975.
Subject: Bill Gates ; Object: Microsoft
Ignoring duplicate
==========

Proccessed 5/95 sentences
=== Extracted Relation ===
Sentence: In the summer of 2022, Gates met with OpenAI cofounder and president Greg Brockman to review some of the generative AI products coming out of the startup unicorn, which recently announced a "multiyear, multibillion" dollar deepened partnership with Microsoft.
Subject: Gates ; Object: OpenAI
Adding to set of extracted relations
==========

=== Extracted Relation ===
Sentence: In the summer of 2022, Gates met with OpenAI cofounder and president Greg Brockman to review some of the generative AI products coming out of the startup unicorn, which recently announced a "multiyear, multibillion" dollar deepened partnership with Microsoft.
Subject: Greg Brockman ; Object: OpenAI
Adding to set of extracted relations
==========

Proccessed 10/95 sentences
Proccessed 15/95 sentences
=== Extracted Relation ===
Sentence: And I got to know Greg [Brockman] through OpenAI and some of the other people there, like Ilya [Sutskever, Brockman's cofounder and chief scientist].
Subject: Greg Brockman ; Object: OpenAI
Ignoring duplicate
==========

=== Extracted Relation ===
Sentence: And I got to know Greg [Brockman] through OpenAI and some of the other people there, like Ilya [Sutskever, Brockman's cofounder and chief scientist].
Subject: Ilya Sutskever ; Object: OpenAI
Adding to set of extracted relations

==========

Proccessed 20/95 sentences
Proccessed 25/95 sentences
Proccessed 30/95 sentences
Proccessed 35/95 sentences
Proccessed 40/95 sentences
Proccessed 45/95 sentences
        === Extracted Relation ===
        Sentence: You know, Rodney Brooks [a professor emeritus at MIT and robotics entrepreneur] put out what I would call some overly conservative views of how quickly some of those things would happen.
        Subject: Rodney Brooks ; Object: MIT
        Adding to set of extracted relations
        ==========

        === Extracted Relation ===
        Sentence: You know, Rodney Brooks [a professor emeritus at MIT and robotics entrepreneur] put out what I would call some overly conservative views of how quickly some of those things would happen.
        Subject: Rodney Brooks ; Object: robotics entrepreneur
        Adding to set of extracted relations
        ==========

Proccessed 50/95 sentences
Proccessed 55/95 sentences
Proccessed 60/95 sentences
Proccessed 65/95 sentences
        === Extracted Relation ===
        Sentence: Satya [Nadella, Microsoft's CEO] is super nice about getting input from me on technological things.
        Subject: Satya Nadella ; Object: Microsoft
        Adding to set of extracted relations
        ==========

Proccessed 70/95 sentences
Proccessed 75/95 sentences
Proccessed 80/95 sentences

Proccessed 85/95 sentences
=== Extracted Relation ===
Sentence: Having spent time with Greg [Brockman] and Sam [Altman], what makes you confident that they are building this AI responsibly, and that people should trust them to be good stewards of this technology?
Subject: Greg Brockman ; Object: OpenAI
Ignoring duplicate
==========

=== Extracted Relation ===
Sentence: Having spent time with Greg [Brockman] and Sam [Altman], what makes you confident that they are building this AI responsibly, and that people should trust them to be good stewards of this technology?
Subject: Sam Altman ; Object: OpenAI
Adding to set of extracted relations
==========

Proccessed 90/95 sentences
Proccessed 95/95 sentences
Extracted annotations 7 out of total 95 sentences
Relations extracted from this website: 7 (Overall: 12)
URL (8/10): https://www.wsj.com/articles/microsoft-directors-decided-bill-gates-needed-to-leave-board-due-to-prior-relationship-with-staffer-11621205803
Fetching text from url ...
HTTP Error
403 Client Error: Forbidden for url: https://www.wsj.com/articles/microsoft-directors-decided-bill-gates-needed-to-leave-board-due-to-prior-relationship-with-staffer-11621205803
URL (9/10): https://www.linkedin.com/in/williamhgates
Fetching text from url ...
successful
Webpage length (num characters): 3
Annotating the webpage using spacy...
Extracted 1 sentences. Processing each sentence one by one to check for presence of right pair of named entity types; if so, will run the second pipeline ...
Extracted annotations 0 out of total 1 sentences
Relations extracted from this website: 0 (Overall: 0)
URL (10/10): https://www.gatesnotes.com/Bio
Fetching text from url ...
HTTP Error
403 Client Error: Forbidden for url: https://www.gatesnotes.com/Bio

================= ALL RELATIONS for Work_For (33) =================
Subject: Bill Gates | Object: Gates Ventures
Subject: Bill Gates | Object: Branded Entertainment Network
Subject: Bill Gates | Object: Bill & Melinda Gates Foundation
Subject: Bill Gates | Object: Microsoft
Subject: Bill Gates | Object: Gates Frontier
Subject: Bill Gates | Object: TerraPower
Subject: Bill Gates | Object: Open Letter
Subject: Bill Gates | Object: Cascade Investment
Subject: Bill Gates | Object: Gates Foundation
Subject: Bill Gates | Object: OpenAI
Subject: Bill Gates | Object: Breakthrough Energy
Subject: Bill Gates | Object: Harvard University
Subject: Bill Gates | Object: Berkshire Hathaway
Subject: Bill Gates | Object: Ecolab
Subject: Chase Peterson-Withorn | Object: Forbes
Subject: Corning | Object: Bill Gates
Subject: Dan Alexander | Object: Forbes
Subject: Donald Trump | Object: Forbes Wealth Team
Subject: Emily Washburn | Object: Forbes
Subject: Evans | Object:
Subject: Gates | Object: OpenAI
Subject: Gates | Object: Microsoft
Subject: Gates | Object:
Subject: Greg Brockman | Object: OpenAI
Subject: Ilya Sutskever | Object: OpenAI
Subject: LG | Object: NCSOFT
Subject: Melina French Gates | Object: Gates Foundation
Subject: Melinda | Object: Microsoft
Subject: Paul Allen | Object: Microsoft
Subject: Rodney Brooks | Object: MIT
Subject: Rodney Brooks | Object: robotics entrepreneur
Subject: Sam Altman | Object: OpenAI
Subject: Satya Nadella | Object: Microsoft
Total # of iterations = 1