

Sedona Thomas

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EDUCATION

Columbia University in the City of New York, Fu Foundation School of Engineering and Applied Science, New York, NY
B.S. in Computer Science (Applications Track) – GPA: 3.7304 Aug 2018 – May 2022
Columbia University in the City of New York, Columbia College, New York, NY
B.A. in Human Rights with a special concentration in Women's Studies Aug 2018 – May 2023

SKILLS

Computer Science: Natural Language Processing (NLP), Artificial Intelligence (AI), Machine Learning (ML), Databases, Computer Audio, Security, User Interfaces, Programming Languages and Translators, Compilers
Software: Google Cloud Platform (GCP), Web Audio, Figma, Balsamiq, Burp Suite, Ubuntu, Kali Linux, WordPress, SolidWorks
Fluent: Python, Java, C, C++, JavaScript, HTML5/CSS, Shell Scripting, SQL, PostgreSQL, Makefile, Git, Bash, Zshell, Flask, LaTeX
Proficient: MIPS Assembly Language, JSON, PowerShell, MATLAB, HTTP Protocols
Math: Number Theory, Cryptography, Discrete Math, Relational Algebra, Multivariable Calculus, Statistics, Linear Algebra
Languages: English (native proficiency), French (limited working proficiency), Spanish (elementary proficiency)

WORK EXPERIENCE

Inspirit AI: AI/ML Course Instructor Jun 2021 – Present
Teach Artificial Intelligence and Machine Learning concepts to high-school students, moderate college and career panel and AI ethics workshop
Note-Taker for the Columbia University Office of Disability Services Aug 2018 – Dec 2018
Included taking and formatting notes for Columbia students with disabilities

LEADERSHIP EXPERIENCE

Columbia University Peer Mentor Aug 2020 – Apr 2021
Engineering Student Council: Advised five computer science undergraduates, provided assistance accessing Columbia University resources
Society of Women Engineers Mentorship Family: Led and advised five undergraduate women in the computer science mentorship family
QuestBridge: Advised a first-gen/low-income undergraduate, provided assistance accessing Columbia University resources and financial aid
NSOP R.O.A.R. @ Columbia Facilitator Mar 2020 – Aug 2021
Facilitated a panel of first-year students, taught about drug and alcohol use and stress culture/resources at Columbia
Columbia Health Peer Ambassador Aug 2019 – Jan 2020
Educated Columbia students about available resources on campus, served as a liaison between the student body and Columbia Health
NSOP Responsible Community @ Columbia and Live Well | Learn Well Facilitator Mar 2019 – Aug 2019
Led three discussions with twenty first-year students, taught about drug and alcohol use and stress culture/resources at Columbia

PROJECTS

Digital Synthesizer ([Code](#)) (JavaScript, HTML5/CSS, Web Audio) Sep 2021 – Dec 2021
Digital synthesizer with modes for additive synthesis, amplitude modulation synthesis, frequency modulation synthesis, and low frequency oscillation
Program Compiler Automation Tool (C++, Makefile) May 2021 – Jun 2021
Makefile alternative with cache to maintain current project status, compiles specified programs and creates phony target commands
Natural Language Processing Image Captioning (Python) May 2021 – Jun 2021
A conditioned recursive neural network generator to caption images using a greedy image decoder and beam search, trained on the flickr8k dataset
Python Documentation Database ([Code](#)) (Python, PostgreSQL, HTML5/CSS, JavaScript, GCP) Jan 2021 – May 2021
Website interface implementing saved favorites and keyword search for modules/methods, note sharing between users and contributors
Web Server from Scratch ([Code](#)) (C, Makefile, HTML5/CSS) Aug 2020 – Dec 2020
Web server with a subset of HTTP 1.0 functionality, implementing GET requests for static pages and a database search system

EXTRACURRICULAR ACTIVITIES

Gamma Phi Beta – Iota Chapter ([Gamma Phi Beta Homepage](#)) Sep 2021 – Present
Columbia Women in Computer Science General Body Member ([WiCS Homepage](#)) Dec 2019 – Present
Columbia Society of Women Engineers General Body Member ([SWE Homepage](#)) Aug 2018 – Present
Columbia iQ General Body Member (LGBTQ+ STEM Organization) ([Facebook Page](#)) Aug 2018 – Present
Columbia QuestBridge Scholars ([Facebook Page](#)) Aug 2018 – Present
AI@Columbia General Body Member ([Homepage](#)) Jun 2021 – Present
Application Development Initiative General Body Member ([ADI Homepage](#)) Aug 2020 – Present
Goju Karate Club ([Club Homepage](#)) Aug 2018 – Jan 2020

AWARDS/ACCOMPLISHMENTS

Columbia University Dean's List Jan 2021 – Present
Columbia University Codepath Cybersecurity Course Certification Apr 2021
Learned about web security and cryptography ([syllabus](#)) (IDOR, CSRF, XSS, SQLI, RCE, Kali Linux, Honeypots, etc.)
The President's Volunteer Service Award Mar 2018
Nevada Governor's Volunteer Recognition Award Apr 2017