

Sedona Thomas (she/her/hers)

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PROFESSIONAL SUMMARY

Passionate and hard-working computer science and human rights student. Experience spans across a wide variety of technical and non-technical field, primarily focusing on privacy, accessibility, fairness, clean object-oriented design, and ethical technologies.

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: 3.7570 ([Diploma](#)) Aug 2018 – May 2022
Columbia University in the City of New York, Columbia College, New York, NY
B.A. in Human Rights (Honors Thesis Track, Women and Gender Studies specialization) 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, Computational Audio, Accessible Technology
Software: Google Cloud Platform (GCP), Web Audio, Figma, Balsamiq, Burp Suite, Ubuntu, Kali Linux, Raspbian, WordPress
Hardware: Raspberry Pi, Esp32, Arduino, PlatformIO, SolidWorks
Fluent: Python, Java, C, C++, Kotlin, JavaScript, HTML5/CSS, Shell Scripting, SQL, PostgreSQL, Makefile, Git, Bash, Zshell, Flask, LaTeX
Proficient: MIPS Assembly Language, 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: Main Course Instructor and Substitute Instructor Jun 2021 – Present
Teach Artificial Intelligence and Machine Learning concepts to high-school students, oversee student projects, moderate panels and workshops
Amazon Prime Video: Software Development Engineering Intern May 2022 – Aug 2022
Collaborate to design cross-disciplinary technologies and bring new products to market

LEADERSHIP EXPERIENCE/VOLUNTEERING

Computers and Society [Student Volunteer](#) May 2022 – Present
Volunteer to help research topics, compile resources, and write a variety of topics the first Computers and Society Wikipedia page
Columbia Makerspace Volunteer Superuser Apr 2022 – Present
Volunteer to help maintain equipment, train and teach students to use tools, and hold workshops in the [Columbia Makerspace](#)
Columbia University Volunteer Student Mentor Aug 2020 – May 2022
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 Responsible Community @ Columbia, Live Well | Learn Well, and R.O.A.R. @ Columbia Facilitator Mar 2019 – Aug 2021
Facilitated panels 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

PROJECTS

Digital Synthesizer (with external control box) ([Code](#), [Control Box](#)) (JavaScript, HTML, Web Audio, ESP32) Sep 2021 – Mar 2022
Digital synthesizer with modes for additive synthesis, AM/FM synthesis, and low frequency oscillation with a hand-made hardware control box
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

ORGANIZATIONS

Volunteer Contributor – All Tech Is Human: AI & Human Rights 2022 Report Working Group ([Organization](#)) Mar 2022 – Present
Member – Order of Omega: Omicron Chapter (Greek Honor Society) ([Organization](#)) Apr 2022 – Present
Member – Gamma Phi Beta: Iota Chapter ([Gamma Phi Beta Homepage](#)) Sep 2021 – Present
Member – Columbia Women in Computer Science ([WiCS Homepage](#)) Dec 2019 – Present
Member – Columbia Society of Women Engineers ([SWE Homepage](#)) Aug 2018 – Present
Member – Columbia iQ (LGBTQ+ STEM Organization) ([Facebook Page](#)) Aug 2018 – Present
Member – Columbia QuestBridge Scholars ([Facebook Page](#)) Aug 2018 – Present

AWARDS/CERTIFICATIONS

Out for Undergrad Alumnus (Engineering 2022-2023 and Tech 2022 Conference Alumnus) Aug 2021 – Present
Columbia University SEAS-CC 4-1 Program Aug 2018 – May 2023
Columbia University Dean's List May 2021
[The Beesen Global Experience Research Fellowship](#) May 2019
[Nevada Governor's Volunteer Recognition Award](#) Apr 2017
[Columbia University Codepath Cybersecurity Course Certification](#) Apr 2021