# 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 — Aug 2018 – May 2022
***Columbia University in the City of New York, Columbia College***, New York, NY
B.A. in Human Rights (specialization in Women and Gender 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, 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++, 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: Software Development Engineering Intern*** — May 2022 – Aug 2022
Collaborate to design cross-disciplinary technologies and bring new products to market

## LEADERSHIP EXPERIENCE

***Columbia University Peer Mentor*** — Aug 2020 – Present
    *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 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
***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 (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
***Web Server*** (Code) (C, Makefile, HTML5/CSS) — Aug 2020 – Dec 2020
A web server with a subset of HTTP 1.0 functionality, implementing GET requests for static pages and a database search system

## EXTRACURRICULAR ACTIVITIES

All Tech Is Human: AI & Human Rights Working Group Member (Organization) — Mar 2022 – Present
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
Goju Karate Club (Club Homepage) — Aug 2018 – Jan 2020

## AWARDS/CERTIFICATIONS

***Order of Omega: Greek Honor Society*** — Apr 2022 – Present
***Out for Undergrad Alumnus (Engineering and Tech 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