

**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: 3.7912, Dean's List (S2021) ([Diploma](#)) Aug 2018 – May 2022

**Columbia University in the City of New York, Columbia College**, New York, NY

B.A. in Human Rights (Gender Studies specialization, Honors Thesis) – GPA: 3.9700, Dean's List (F2022, S2023) ([Diploma](#)) May 2022 – May 2023

Honors: Cum Laude

## WORK EXPERIENCE

**Raytheon BBN Technologies: Research Engineer I (Full-Stack Developer)**, Cambridge, MA (Remote) Jun 2023 – Present

Teach Artificial Intelligence and Machine Learning concepts to high-school students, oversee student projects, moderate panel

**Inspirit AI: Main Course Instructor and Substitute Instructor**, Palo Alto, CA (Remote) Jun 2021 – Present

Teach Artificial Intelligence and Machine Learning concepts to high-school students, oversee student projects, moderate panels and workshops

**Columbia University, Fu Foundation School of Engineering and Applied Science: Course Assistant** Aug 2022 – Jan 2023

Course assistant for COMS 3410: Computers and Society, hand out assignments, grade homework and papers, hold weekly office hours

**Amazon Prime Video: Software Development Engineering Intern**, New York, NY May 2022 – Aug 2022

Completed an independent project implementing a new promotional content page in Prime Video. Worked mainly in Kotlin with large codebases

## AWARDS/CERTIFICATIONS

**Out for Undergrad Alumnus (Engineering 2022, Engineering 2023, and Tech 2022 Conferences)** Aug 2021 – Present

**Columbia University SEAS-CC 4-1 Program** Aug 2018 – May 2023

**The Beesen Global Experience Research Fellowship** May 2019

**Nevada Governor's Volunteer Recognition Award** Apr 2017

**Columbia University Codepath Cybersecurity Course Certification** Apr 2021

## ORGANIZATIONS

**Member** – Order of Omega: Nu Omicron Chapter (Greek Honor Society) ([Org](#)) Apr 2022 – Present

**Alumnus/Member** – Gamma Phi Beta: Iota Chapter ([Gamma Phi Beta Homepage](#)) Sep 2021 – Present

**Volunteer Contributor** – All Tech Is Human: AI & Human Rights 2022 Report Working Group ([Org](#)) Mar 2022 – May 2023

**Member** – Columbia Women in Computer Science ([WiCS Homepage](#)) Dec 2019 – May 2023

**Member** – Columbia Society of Women Engineers ([SWE Homepage](#)) Aug 2018 – May 2023

**Member** – Columbia iQ (LGBTQ+ STEM Organization) ([Facebook Page](#)) Aug 2018 – May 2023

**Member** – Columbia QuestBridge Scholars ([Facebook Page](#)) Aug 2018 – May 2023

## LEADERSHIP EXPERIENCE/VOLUNTEERING

**Computers and Society Student Volunteer** May 2022 – May 2023

Volunteer to help research topics for the website, compile resources, and write a variety of topics for the first Computers and Society Wikipedia page

**Columbia Makerspace Volunteer Superuser** Apr 2022 – May 2023

Volunteer to help maintain equipment, train students to use a variety of tools, and hold workshops in the [Columbia Makerspace](#)

**Columbia University Volunteer Student Mentor** Aug 2020 – May 2022

Advised computer science undergraduates through the Engineering Student Council, Society of Women Engineers, and QuestBridge Network

**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

## SKILLS

**Computer Science:** Natural Language Processing (NLP), Artificial Intelligence (AI), Machine Learning (ML), Databases, Computer Audio, 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)

## 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

**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