

Sedona Thomas (she/her)

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To Whom It May Concern:

About Me: I am an alumnus of Columbia University's Fu Foundation School of Engineering and Applied Science with a major in computer science, and I will be continuing my undergraduate education next year as a human rights major with a specialization in women's studies through a 5-year dual degree between the Columbia's engineering school and the liberal arts school. I am involved in various student groups on campus: the Society of Women Engineers, Women in Computer Science, Order of Omega (a Greek honor society), Gamma Phi Beta, and iQ (a STEM group for LGBTQ+ students). I am also very involved as a student volunteer with the nonprofit Computers and Society and am a volunteer superuser at the Columbia Makerspace—helping to teach students to use the tools and maintain the space for student projects. I also spent the summer of 2022 as a Software Development Engineer intern at Amazon Prime Video working on back-end development.

Interests: I am very passionate about ethical technologies with a particular focus on the rights to privacy and non-discrimination in digital systems. Next year, I will be writing my undergraduate senior thesis through Columbia's human rights department on the impact of predictive policing systems on the current protections to privacy and non-discrimination from a global perspective. I have experience with natural language processing, artificial intelligence, databases, computational audio, security, cryptography, UI/UX design, and accessible technology.

Skills:

- **Programming:** Python, Java, C, C++, Kotlin, JavaScript, HTML5/CSS, Shell Scripting, SQL, PostgreSQL, Makefile, Git, Bash, Zshell, Flask, LaTeX, MIPS Assembly Language, PowerShell, MATLAB, HTTP Protocols
- **Computer Science Experience:** 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 Experience:** MacOS, Windows 10, Linux, Google Cloud Platform (GCP), Burp Suite, Ubuntu, WordPress, Hashcat, Sqlmap, and Wolfram Mathematica
- **Hardware Experience:** Raspberry Pi, Esp32, Arduino, PlatformIO, SolidWorks
- **Math Experience:** Number Theory, Cryptography, Discrete Math, Relational Algebra, Multivariable Calculus, Statistics, Linear Algebra
- **Language Experience:** working knowledge of French and some rudimentary background in Spanish

Relevant Coursework: I have experience with both frontend and backend design. My courses have specifically focused on artificial intelligence, natural language processing, databases, and cryptography. I also have experience with designing a web server from scratch. Next semester, my courses will focus on programming languages and translators, object-oriented design, computer security, software engineering, and user interface design. My focus on both computer science and human rights has given me a unique perspective not only in how to design programs but also how to analyze their overall impact on users. More information about specific courses can be found on my website and LinkedIn.

My attached resume expands on my skill set and accomplishments. I am actively seeking job opportunities and am open to any inquiries or more information.

Sincerely,

Sedona Thomas