

Amelia Wissink

LinkedIn — GitHub

Email: amelia.wissink@columbia.edu

Mobile: (773) 791-2305

EDUCATION

- **Columbia University in the City of New York** New York, NY
B.S., Computer Science; GPA: 3.76/4.00 *Sep. 2020 – May 2024*
- **Relevant Coursework:** Data Structures and Algorithms, Fundamentals of Computer Systems, Advanced Programming, Discrete Math, Computer Science Theory, Introduction to Databases

EXPERIENCE

- **Google** San Bruno, CA
STEP Intern *May 2022 – Aug. 2022*
 - Developed a scalable tool to automatically generate documentation for end-to-end metrics used across YouTube product areas, significantly reducing the overall time spent searching for critical metric information
 - Wrote and solicited feedback on a design document for a protocol buffer to store end-to-end metric metadata, collaborating across several site reliability teams to do so
 - Designed, implemented, and tested an inspection script to programatically extract metadata from Go files and convert it into a human readable format such that the data can be easily viewed and queried
 - Successfully completed leadership workshops at the Google Women Intern Community (gWIC) Summit
- **Columbia University** New York, NY
Teaching Assistant *Sep. 2021 – May 2022*
 - Held weekly office hours to answer student questions and help debug code
 - Regularly graded homework and exams and attended weekly meetings for classes of 400+ students
 - Topics for Fall Intro to Java course include: Java language basics, iteration, conditionals, classes/OOP, arrays, file I/O, exceptions, Dijkstra's algorithm
 - Topics for Spring Data Structures course include: arrays, stacks, linked lists, queues, trees, sets, graphs, sorting, searching, hashing, design and analysis of algorithms
- **Girls Who Code** Remote
Teaching Assistant *Jun. 2021 – Aug. 2021*
 - Taught a front-end web development curriculum in HTML, CSS, and JavaScript to a cohort of female-identifying high school students
 - Cultivated an uplifting and supportive classroom culture by leading advisory meetings 3 times a week and holding regular office hours
 - Collaborated with partner companies such as AT&T, Accenture, and Snapchat to hold engaging events for students
- **Code.Challenge Conference for Women in Tech** Chicago, IL
Event Coordinator *Feb. 2020*
 - Organized and managed the conference planning process, gathering a wide range of industry professionals from leading companies such as Google to speak and lead workshops
 - Conducted extensive outreach to local high schools via email and social media, increasing total conference registration by nearly 150% from previous years

TECHNICAL SKILLS

- **Languages:** Java, C, Python, MySQL, Go, HTML, CSS, JavaScript, Swift, Bash
- **Tools:** Git, Linux, Bootstrap, MongoDB, Neo4j, Postman, Xcode

PROJECTS

- **Web Server, Advanced Programming Final Project:** Implemented a web server using C and Sockets API that handles GET requests for static content and returns dynamic content queried from a lookup server
- **Columbia Engineers Without Borders Website:** As the former Website Architect, used HTML/CSS to maintain and update website for Columbia's Engineers Without Borders chapter: cuewb.org

ADDITIONAL EXPERIENCE AND AWARDS

- **Campus Involvement:** Undergraduate Scholars Program, Society of Women Engineers, Women in Computer Science, Alpha Chi Omega (Executive Board)
- **Awards:** Dean's List (Spring 2021, Fall 2020), SEAS Summer Design Challenge Finalist (2020), NCWIT Aspirations in Computing Award National Honorable Mention (2020)
- **Personal Interests:** Reading, music, cooking, exploring new restaurants, traveling