

Prarthana Jois Gajjala

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Experience

SWE Intern

Google

2023/05 – present | San Francisco, CA

- Delivered high priority project for the Looker Studio team. Looker studio is a visualization tool that empowers users to tell engaging stories about their data. Utilizing primarily typescript.
 - Planned and created a data preview feature, allowing users to see underlying data behind visualizations. This feature helps Looker Studio close feature gaps between itself and other data visualization tools and streamlines the user experience.
 - Released feature to paid looker studio users.
- Developed ability to toggle use of JDBC for data connections, providing a more robust query interface for users and linking Google's BI offerings.
- Unified cross functional perspectives on features via documentation and meeting time.
- Communicated learnings to stakeholders through knowledge shares, demos and a final presentation.

STEP Intern

Google

2022/05 – 2022/08 | New York, NY

- Contributed to the Sheets Timeline View product as a software engineer. Timeline View is a new way of visualizing and organizing data in Google Sheets.
- Implemented support for Timeline embedding into other Google Workspace apps, utilizing primarily Java and JavaScript. This was a highly requested feature by customers, and is considered a high priority task for Sheets.
 - Designed and implemented code on both the front and back end, working within an existing Google Workspace embedding framework. Pushed substantial, high quality changes into the Google codebase.
 - Collaborated closely with a podmate working on the same project, members of the sheets team, and other google workspace teams, due to the cross-platform nature of my project.
- Presented my project and code to multiple audiences. Members of other teams showed interest in "tech talks" about our feature to inform design, direction, and engineering of their own work.

Teaching Assistant

Case Western Reserve University

2022/08 – 2023/05 | Cleveland, OH

- TA for Algorithms during the Fall 2022 semester and Theoretical Computer Science during the Spring 2023 semester.
- Assisted professor for 10 hours a week. My responsibilities include creating assignment solutions, grading students' work, and answering students questions about class policy and material.
- Supplemented class instruction with weekly office hour.

Math Instructor and Private Tutor

Mathnasium

2020/08 – 2021/08 | Issaquah, WA

- Instructed students for four hours five times a week following Mathnasium Curriculum with the goal of instilling a love and appreciation for math.
- Provided in-depth private tutoring five hours a week in high school math material.

Profile

I am a hardworking and collaborative college senior with strong technical, mathematical and interpersonal skills. I am currently seeking entry level software engineering roles. In the long term, I hope to use the power of software to make a positive, tangible impact.

Education

Case Western Reserve University | GPA: 3.94

Majors: Computer Science, Mathematics

Minor: Music

2024/05

Dean's High Honors List, Alumni Scholarship Recipient

Relevant Coursework: Artificial Intelligence, Quantum Computing, Database Systems Software Engineering, Data Structures & Algorithms, Full Stack Web Development, Computer Networks, Theoretical Computer Science, Probability, Professional Communication for Engineers

Clubs and Activities

Girls Who Code

2022 – present

- Organized and instructed sessions with high school students weekly teaching Arduino software and hardware, providing mentorship and encouragement towards pursuing a computer science education.

Center for Civic Engagement and Learning Scholars

2020 – present

- Completed a minimum of 30 hours of community service an academic year (25 in 2020-2021 due to COVID).
- Attended educational events about civic engagement.

Other Projects and Activities

- CWRU Association of Computing Machinery - Women chapter member (2022-present)
 - Mentored freshman and sophomore women in CS by holding mock interviews, technology crash course sessions, etc.
- Contributed to blockchain-based platform for equitable resource and facility sharing for small and medium manufacturers in northeast Ohio under Prof. Pan Li. (2022)
- CWRU Math Club member. (2020-present)

Skills

Java | Java Script | Web Development

Data Structures / Algorithms | Unit Testing | Node.js

Design Docs | TypeScript | C | Arduino | SQL

Piano