Kristen R. Engel

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WORK EXPERIENCE

Software Engineer Google   (March 2018–Present)
Worked in Local Search Platforms and Infrastructure as a Fullstack Engineer using Java, C++, JavaScript, HTML/CSS, and proprietary frameworks
- **Launched/landed multiple high impact projects** including popular dishes carousel V1 (180M impressions/day), newly designed menu and services tab, new header for place/business/restaurant queries on google.com (**affecting ~5% of Daily Active Users on google.com**)
- **Reduced latency** for structured menu data clicks **by 50%** and place/businesses header by **5.31ms (47.7 SWE years)**
- **Reduced capacity** in several key migrations, **improved developer velocity** for several areas
- **Authored several docs** including design docs, plans for work, retrospectives with tips and suggestions for improvements for future engineers, handbooks/cookbooks for creation of new features
- **Wrote unit and integration tests**
- Worked in legacy/technically complex code base, **incrementally reduced technical debt**

Hosted Interns
- Scoped project, wrote proposal, and guided interns through steps to be taken to complete the projects
- Held daily standup and gave regular feedback on strengths and weaknesses
- Wrote detailed evaluation for hiring committee on interns

Worked on Hiring Committee
- Evaluated candidates based on feedback given by interviewers, resumes, and feedback from managers

Performed external hiring interviews for candidates

Worked in Docs Backend as Backend Engineer using Java, SQL, and proprietary frameworks
- Created a parallelized pipeline to fix Metadata and **unblock a crucial database migration**
- **Led an investigation** on improper migration, found cause, designed and implemented a solution
- Designed and implemented a solution for docs with mixed migration states
- **Created a tool** to assist in future investigation work for improperly migrated documents

Worked in Research and Machine Intelligence as a Fullstack Engineer using C++, JavaScript, and SQL
- Contributions included adding features, fixing bugs, refactoring the codebase, and **increasing security**
- Authored a design doc and privacy design doc/data retention plan for a new tool
- Wrote the tool in C++ and SQL with a parallelized pipeline that will scale as data needs increase
- **Thoroughly tested tool** to ensure quality and security

Adjunct Computer Science Instructor Queens College   (Spring 2022)
- Instructed Bachelor's degree candidates in Java programming

SKILLS

- *Languages*: Java, C++, JavaScript, Python, SQL, HTML/CSS
- *Technical Skills:* Fullstack Development, Backend Development, Design, Technical Writing, Testing
- *Soft Skills:* Communication, Leadership, Adaptability/Flexibility, Problem Solving

VOLUNTEER WORK

Mock Interview Mentor   (2018–Present)
Technical Mentor at Hackathons   (2018-Present)
Teaching Assistant for CS Summer Institute   (2018–2021)

EDUCATION

New York University College of Arts and Science (2013-2017)   **Dean's List**
BA in Computer Science with a minor in Mathematics   GPA: 3.51