SUNAINA ALURU

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Masters in Computer Science student with ~ 2 years of experience as a Software Engineer developing, testing, and maintaining large scale distributed applications. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team. Seeking a full time role to continue contributing to impactful products that prioritize customer needs.

Languages | Golang, Python, C, C++, JavaScript, GraphQL, AJAX, JSON, HTML, CSS, SQL
Frameworks & Libraries | Flask, jQuery, Bootstrap, Jinja, Matplotlib, NumPy, Pandas, ReactJS
Database/Industry Tools | Google Cloud Platform, Dockertopia, PostgreSQL, OracleDB, Git, GitHub, Command Line

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EXPERIENCE

Speech & ML Software Engineering Intern   June 2021 – September 2021
McDonald's Tech Labs | Mountain View, CA

- Analyzed and presented findings for project regarding frequency pattern recognition of linguistic diversity trends in transcription data from McDonald's Automatic Speech Recognition voice/AI product
- Independently created and established analysis project using lucrative natural language processing statistical analysis tool TF-IDF (Term Frequency-Inverse Document Frequency)
- Researched 2 years worth of audio data files with data scientist team, and build data pipeline in Python that handled and analyzed the data

Software Engineering Consultant   June 2021 – September 2021
Suki AI | Redwood City, CA

- Lead consulting services on critical topics such as software debugging/production support and code reviews
- Provide onboarding and knowledge training of microservice architecture and data flows/design for new software engineers

Software Engineer   April 2019 – January 2020
Suki AI | Redwood City, CA

- Designed, developed, maintained, and tested Golang microservices for use with both iOS and web applications
- Built backend microservices to contribute additional features to Suki's products: features were new integrations with Electronic Medical Record systems' APIs and with Suki's ML voice platform software, features are used by both internal and external users.
- Migrated entire frontend API framework from HTTP to GraphQL and owned development of GraphQL testing library for ~150 endpoints
- Collaborated closely with product managers and QA team to develop features end to end for high user satisfaction.
- Garnered experience in release processes, sprint planning, and best practices for software development

Data Analyst, Information Management Office   July 2017 – January 2019
Genentech | South San Francisco, CA

- Analyst Lead for Global Cancer Clinical Trials Dashboard:
  - Designed and executed a root cause analysis process to solve issues: InvestigateQlik backend code/calculations, write queries for Oracle DB to explore data and identify issue, make a data merging decision data management system
- Data Analysis & Reporting:
  - Created Python scripts to automate generation of statistical analysis reports on vendor data quality resulting in improved team efficiency and an improvement of data quality by 10-15% over 2 Quarters
- Ad Hoc Data Delivery:
  - Lead requirements gathering with users, established understanding of complex data sets, rapidly delivered accurate query data extracts to users in 1-2 business days

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EDUCATION

Northwestern University, McCormick School of Engineering, January 2020 - June 2022
M.S. in Computer Science

Hackbright Academy, San Francisco, CA, January 2019 - March 2019
Software Engineering Program

University of California at Davis, College of Engineering, September 2013 - June 2017
B.S. in Biomedical Engineering