FAIZ SURANI

faiz.surani@gmail.com ◇ faizsurani.com

EDUCATION

University of California, Santa Barbara (UCSB) 2019 – 2022 (expected)
B.S. Computing, College of Creative Studies *GPA: 4.0*

SKILLS

Computer Languages	Ruby, C#, C, C++, JavaScript (ES2020, TypeScript), Python, Racket, Elixir, Swift, Java
Technologies	Git, ASP.NET Core, Rails, React, Electron, MATLAB, GraphQL, Azure, SQL Server, PostgreSQL, Open XML, LaTeX

WORK EXPERIENCE

AppFolio June – Sept. 2020
Software Engineering Intern

- Integrated machine learning into customer service workflow using BERT models to classify issues.
- Led large-scale refactor and migration to TypeScript of frontend codebase to resolve technical debt.
- Optimized asynchronous code and database queries resulting in three-fold increase in app performance metrics.

University of California, Santa Barbara Oct. 2019 – June 2020
Research Assistant, Brownfield Programming NSF Grant

- Lead engineer on Rails/React `web app` used by over a dozen instructors to manage thousands of students in computer science courses and analyze student GitHub activity.

Astera Software June – Sept. 2019
Software Engineering Intern

- In .NET, implemented smart data-mapping algorithm and designed parser for DSL.
- Analyzed OCR PDF data using neural network to ingest contract metadata into data warehouse automatically.
- Migrated product documentation from Zendesk to Sphinx-generated static content and established Git-based workflow for composing and reviewing new documentation.

EXTRACURRICULARS

Projects
A full list and more detailed descriptions can be found at `faizsurani.com/projects`.

- `DrDocx` - Desktop app for doctors to manage and generate Word reports from patient data and test results. (ASP.NET Core, SQLite, Open XML, Electron, React)
- `Optimal Evacuation Routes` - Vehicle Routing Problem simulation to generate optimal evacuation routes for Glacier National Park. (MATLAB, Java)
- `REGULAR VM` - Implementation of RISC architecture including an interpreter, assembler, and disassembler. (C)

Organizations

Moot Court (Founder/President), Mock Trial (Technology Director), SB Hacks VI

ACHIEVEMENTS

M3 Challenge Top 15% (2018, 2019); MIT Zero Robotics International Finalist (2017); 3rd Place, Moot Court Western Regional (2020); Academic Decathlon state finalist (2019)