

FAIZ SURANI

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EDUCATION

University of California, Santa Barbara (UCSB)
B.S. Computing, College of Creative Studies

2019 – 2023 (expected)
GPA: 4.0

SKILLS

COMPUTER LANGUAGES	C#, C, C++, Python, JavaScript (ES2020, TypeScript), Ruby, Swift, Java, Elixir, Racket, SQL, HTML/CSS
TECHNOLOGIES	Git, Docker, Rails, React, Electron, MATLAB, GraphQL, AWS (EB, Lambda, EC2), Google Cloud Run, Azure, \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 API code and database queries resulting in three-fold increase in app performance.

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.
- Built software tools to facilitate research of new pedagogical methods for computer science.

Astera Software June – Sept. 2019
Software Engineering Intern

- Implemented smart data-mapping algorithm and designed parser for pattern-matching DSL.
- Analyzed PDF data using neural network to ingest contract metadata into database automatically.
- Migrated product documentation from Zendesk to Sphinx-generated static content and established Git-based workflow for composing and reviewing new documentation.

EXTRACURRICULARS

Selected 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), *Daily Nexus* (Staff Writer)

ACHIEVEMENTS

M3 Challenge Top 15% (2018, 2019); MIT Zero Robotics International Finalist (2017); National Champion, AMCA Brief Writing Competition (2021); Academic Decathlon state finalist (2019)