

FAIZ SURANI

faiz@faizsurani.com ◊ faizsurani.com

EDUCATION

University of California, Santa Barbara (UCSB) 2019 – 2023 (expected)
B.S. Computing, College of Creative Studies GPA: 4.0

SKILLS

COMPUTER LANGUAGES Python, C#, C, C++, JavaScript (ES2020, TypeScript), Ruby, Swift, Racket, OCaml, Elixir, SQL, Java, HTML/CSS

TECHNOLOGIES Git, Docker, Rails, React, Electron, MATLAB, GraphQL, AWS (EB, Lambda, EC2), Azure, L^AT_EX

WORK EXPERIENCE

AppFolio June – Sept. 2020, June – Sept. 2021
Software Engineering Intern

- Integrated machine learning into customer service workflow using BERT models to classify issues.
- Implemented rule and constraint resolution system to automate customer maintenance workflows
- 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.

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.

EXTRACURRICULARS

Selected Projects

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

- Legal Network Project – Graph-theoretic and semantic analysis of legal precedent towards an open-source, intelligent legal research tool. (Python, TypeScript, React)
- DrDocx – Open-source desktop app for doctors to manage and generate Word reports from patient data and test results. (C#, ASP.NET Core, Electron, React)
- Eyecite – Contributor to open-source tool for extracting legal citations from unstructured text. (Python)

Organizations

Moot Court (Founder/President), Giving What We Can (Volunteer), Mock Trial (Technology Director)

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)