FAIZ SURANI

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EDUCATION

University of California, Santa Barbara (UCSB) 2019 – 2023 (expected)
B.S. Computing, College of Creative Studies *GPA: 3.98*

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, LaTeX

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 in Ruby/Rails backend 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

`Lexcaliber` – Developing novel recommendation and analysis algorithms for legal research via network- and text-based approaches. (Python, TypeScript, React)
· `DrDocx` – Free, open-source desktop app for doctors to manage and automatically generate 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 (2018); National Champion, AMCA Moot Court Brief Writing Competition (2021)