# 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: 3.97*

## SKILLS

| | |
|---|---|
| **Computer Languages** | Python, Haskell, C#, C, C++, JavaScript (ES2020, TypeScript), Ruby, Swift, Racket, OCaml, SQL, Java, HTML/CSS |
| **Technologies** | Git, Docker, Rails, React, Electron, GraphQL, Elasticsearch, Tensorflow, LaTeX |

## EXPERIENCE

**Stanford RegLab**      June – Sept. 2022
*Summer Research Fellow*

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

· Integrated machine learning into customer service workflow using BERT models to classify issues.
· Implemented constraint resolution system to enable automation of maintenance workflows.
· Led large-scale refactor and TypeScript conversion of frontend codebase to resolve technical debt.
· Optimized API design and database queries resulting in three-fold increase in app performance.

**Astera Software**      June – Sept. 2019
*Software Engineering Intern*

· Implemented smart data-mapping algorithm and designed parser for pattern-matching DSL.
· Trained neural network to extract contract metadata from PDFs into data warehouse.

## OTHER WORK

**Selected Projects**

Lexcaliber — Developing novel recommendation and analysis algorithms for legal research via network- and NLP-based approaches. Created major opinion summarization feature for open-source legal research platform. (Python, TypeScript, React)
· Worduel — Real-time multiplayer word game inspired by Wordle (Python, TypeScript)
· MarkTeX — A Markdown-inspired document language and typesetting system (Haskell)
· REGULAR VM — Virtual machine implementation of a RISC architecture (C)

**Organizations**

Giving What We Can (Volunteer, Data Science Projects), Free Law Project (Volunteer, Open-Source Development), UCSB Moot Court (Founder/President)

## ACHIEVEMENTS

Mathworks Math Modeling Challenge Top 15% (2018, 2019); MIT Zero Robotics International Finalist (2018); National Champion, AMCA Appellate Brief Writing Competition (2021, 2022)