

FAIZ SURANI

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EDUCATION

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

2019–2023 (expected)
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, L ^A T _E X

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)