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*

Experience

Google Sept.–Dec. 2022
Software Engineering Intern

- Neural Semantic Parsing, Google Assistant

Stanford RegLab June–Sept. 2022
Summer Research Fellow

- Engineer synthetic data generation with adversarial classifier-in-the-loop, fine-tune and deploy RoBERTa model for detecting harmful language in legal text.
- Built production inference pipeline for AI document review in Department of Labor partnership.

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

- Integrated machine learning into property maintenance workflow using BERT models to extract information from customer service chats, reducing operator workload significantly.
- Re-designed CI/CD pipeline and build system, resulting in ten-fold speedup in deployment times.

Astera Software June–Sept. 2019
Software Engineering Intern

- Implemented data-mapping heuristic algorithm and designed parser for pattern-matching DSL.

Other Work

Selected Projects

Lexcaliber — 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)

- MarkTeX — A Markdown-inspired document language and typesetting system (Haskell)
- Pasado — A performant spreadsheet engine (Go)

Organizations

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

Skills

Computer Languages	Python, Haskell, C#, C, C++, JavaScript (ES2020, TypeScript), Go Ruby, Swift, Racket, OCaml, Java, SQL, HTML/CSS
Technologies	Git, Docker, Rails, React, Electron, GraphQL, Elasticsearch, Tensorflow, PyTorch, LaTeX, AWS (Lambda, EC2, S3, ELB)

Achievements

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