

# FAIZ SURANI

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## EDUCATION

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<b>University of California, Santa Barbara (UCSB)</b> <i>B.S. Computing, College of Creative Studies</i>	2019 – 2022 (expected) GPA: 4.0
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## SKILLS

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COMPUTER LANGUAGES	Ruby, C#, C, C++, JavaScript (ES2020, TypeScript), Python, Racket, Elixir, Swift, Java
TECHNOLOGIES	Git, ASP.NET Core, Rails, React, Electron, MATLAB, GraphQL, Azure, SQL Server, PostgreSQL, Open XML, $\LaTeX$

## WORK EXPERIENCE

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<b>AppFolio</b> <i>Software Engineering Intern</i>	June – Sept. 2020
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- Integrated machine learning into customer service workflow using BERT models to classify issues.
- 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.

<b>University of California, Santa Barbara</b> <i>Research Assistant, Brownfield Programming NSF Grant</i>	Oct. 2019 – June 2020
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- 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.
- Built software tools to facilitate research of new pedagogical methods for computer science.

<b>Astera Software</b> <i>Software Engineering Intern</i>	June – Sept. 2019
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- 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.
- Migrated product documentation from Zendesk to Sphinx-generated static content and established Git-based workflow for composing and reviewing new documentation.

## EXTRACURRICULARS

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**Projects**  
*A full list and more detailed descriptions can be found at [faizsurani.com/projects](https://faizsurani.com/projects).*

- DrDocx - Desktop app for doctors to manage and generate Word reports from patient data and test results. (ASP.NET Core, SQLite, Open XML, Electron, React)
- Optimal Evacuation Routes - Vehicle Routing Problem simulation to generate optimal evacuation routes for Glacier National Park. (MATLAB, Java)
- REGULAR VM - Implementation of RISC architecture including an interpreter, assembler, and disassembler. (C)

### Organizations

Moot Court (Founder/President), Mock Trial (Technology Director), SB Hacks VI

## ACHIEVEMENTS

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M3 Challenge Top 15% (2018, 2019); MIT Zero Robotics International Finalist (2017); 3<sup>rd</sup> Place, Moot Court Western Regional (2020); Academic Decathlon state finalist (2019)