SHIVA SUDANAGUNTA

Website: shiv-uh.github.io ● GitHub: github.com/Shiv-uh ● 916-805-7325 ● sss336@cornell.edu

EDUCATION

Cornell University **Ithaca, New York**
Bachelor of Science - Computer Science, Applied Economics and Management *Expected Graduation: May 2021*
Cumulative GPA: 4.03/4.30
Relevant Coursework: *Software Engineering, Object-Oriented Programming and Data Structures, Computer System Organization and Programming, Functional Programming and Data Structures, Linear Algebra*

WORK EXPERIENCE

Cornell Course Management System **Ithaca, New York**
Software Developer *January 2020 – Present*

- Furthered development of Cornell's Course Management System (CMS), a website actively used by 8,000+ students and course staff members for announcements, assignment distribution, and submissions
- Developed capabilities for students to view course information, upload assignments for submission, and schedule appointments with course staff on a new React front-end; maintained the UI throughout REST API development

Hunter R. Rawlings III Cornell Presidential Research Scholars **Ithaca, New York**
Research Assistant *February 2018 – Present*

- Created web scraping scripts to increase access to data and automate the collection process for 1000+ corporate disclosure forms and SEC-related filings
- Utilized Pandas to visualize data trends to determine how aspects of corporate disclosure forms can positively and negatively affect company market performance

Impact Venture Capital **Sacramento, California**
Summer Venture Fellow *June 2018 – August 2018*

- Reviewed over 10 technology startups with attention to product-market fit, traction, and alignment with the fund's focus; exposed to enterprise and consumer-facing startups.
- Identified synergy between a portfolio company and a startup in review; presented findings to management and initiated a conversation between the two companies

PROJECTS

Downtime - (Dart, Flutter, Firebase) *May 2020 – Present*

- Created a mobile app for iOS and Android to help people coordinate and find things to do with their friends
- Features an "explore" feature where users can share unique ideas for things to do in their city and town, giving other users access to lesser-known experiences for their own friend group
- Utilized a business logic component (BLoC) app architecture to ensure scalability

CookOPS - (JavaScript, Express, Node, AWS) *February 2020 – April 2020*

- Coordinated with 7 other team members to build an online program system that streamlined the planning and hosting of events for 400+ student residents at Cornell's Alice Cook House; will be used Fall 2020 onwards
- Integrated a Shibboleth single-sign-on system to comply with Cornell's IT standards, making CookOPS accessible to only members of the Cornell community
- Incorporated Cook House's previous Google Calendar planning workflow into CookOPS, enabling event admins to view existing events and automatically push new events created in CookOPS to the house's Google Calendar

NanOCaml – (OCaml) *October 2019 – December 2019*

- Developed a text editor inspired by Nano and Vim featuring line numbering, line "bookmarking," special cursor behavior, and basic keyword highlighting support for OCaml and Python to improve usability
- Incorporated a spell check tool and word-autocomplete suggestions; achieved a first-word suggestion accuracy of 70% with the spell check model

SKILLS

Languages: Java – Python – Dart – JavaScript – OCaml – RISC-V Assembly – C – Swift – HTML/CSS – SQL
Libraries/Tools/Frameworks: React – Express – Node – AWS – Flutter – Firebase – Logisim – Git/GitHub