SHIVA SUDANAGUNTA

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EDUCATION

Cornell University   **Ithaca, New York**
Master of Engineering - Computer Science   *Expected Graduation: May 2022*
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, Algorithms, Computer System Organization and Programming, Functional Programming and Data Structures*

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
- Utilized Pandas to graph and visualize data trends to determine how the readability of corporate disclosure forms 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 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
- Developed a reminder feature allowing event admins to send custom-timed reminder emails to event attendees

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 – MySQL
Libraries/Tools/Frameworks: React – Express – Node – Flutter – Firebase – Logisim – Git/GitHub