SRIHARSHA GUDUGUNTLA

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Aspiring Computer Scientist with 5+ years of experience in full stack open source web development, systems, and creative design skills. Enjoy exploring the latest cutting-edge technologies to develop innovative solutions.

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY **Berkeley, CA**
B.A. Computer Science, B.A. Economics *August 2018 – Present*
Expected Graduation: May 2022
Honors: Regents' & Chancellor's Scholarship Candidate
Relevant Coursework: Structure & Interpretation of Computer Programs, Data Structures, Discrete Mathematics and Probability Theory, Designing Information Devices & Systems I & II, Multivariable Calculus, Foundations of Data Science

EXPERIENCE

BERKELEY RISE LAB **Berkeley, CA**
Research Assistant at BETS Research Group *January 2019 – Present*
- Enhancing energy efficiency and sustainability of commercial buildings by developing an Extensible Building Operating System (XBOS) for smart integration between building control systems
- Releasing an open-source web platform to substantially reduce the effort for researchers to extract, clean, and visualize 100,000+ point labels and related metadata from 92 different buildings; built with MERN stack
- Restructured gRPC microservices for collecting building metadata; devised and implemented a custom, comprehensive Python testing suite that revealed critical bugs in the microservices
- Coauthored research paper for the ACM BuildSys Conference (2019):
Dataset: An Open Dataset and Collection Tool for BMS Point Labels, **Link**: https://bit.ly/2kdlq0R

EASY LOOP **Cupertino, CA**
Product Originator *January 2016 – Present*
- Pioneered an open-source Chrome Extension serving 17,000+ high school students across the country
- Streamlined the grade calculation process, saving students 5 hours of otherwise lost time every week
- Designed a product site, started a Facebook page with 300+ followers, and earned school press coverage
App Link: http://tinyurl.com/easyloop, **Press Link:** https://bit.ly/2oBab3m

EDCAST INC **Mountain View, CA**
Software Engineering Intern *June 2017 – August 2017*
- Boosted real-time team collaboration by integrating a brand-new live video calling feature using React & Redux
- Maximized team productivity by generating detailed bug reports, assigning bugs, and resolving 30+ cases
- Consolidated and delivered thorough qualitative analysis reports by building cross-browser automated testing suites using Protractor, Mocha/Chai, Jenkins, ReactUtil & Selenium
- Consolidated and developed Postman automated test suites for REST API with various business scenarios

UC BERKELEY DECAL BOARD **Berkeley, CA**
Web Development Lead *January 2019 - Present*
- Launching UC Berkeley DeCal Program's premiere portal for students to find, create, and facilitate courses
- Offering a variety of services like sorting and filtering through 100+ classes & real-time tracking course registration
- Constructing web portal using MongoDB, Node.js, Express, GraphQL, React, Redux, Prisma, Docker, and AWS

SKILLS

Proficient: Java, Python, JavaScript, Node.js, Express, React, Redux, GraphQL, MongoDB, SQL, HTML5, CSS3, REST API Development, Numpy/Pandas, gRPC, React Native
Familiar: AWS, Docker, Flask, OpenCV, Sci-Kit Learn, Blockchain

ACCOMPLISHMENTS

- Top 14 Teams and National Finalists for the National Basketball Association Hackathon 2019
- Top 15% Internationally at Association of Computational & Mathematical Modeling, Gamma Prize Winner
- Top 5 Teams at MakeHacks & Los Altos Hacks, Dailymotion Best Social Media Hack
- Spearheaded Cupertino's largest student-led hackathon, TinoHacks, twice by raising $20000 and acquiring 350 participants, 25 sponsors, and 14 mentors