

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

B.A. Computer Science, B.A. Economics

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

Berkeley, CA

August 2018 – Present

EXPERIENCE

BERKELEY RISE LAB

Research Assistant at BETS Research Group

Berkeley, CA

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
- Restructuring gRPC microservices for collecting building metadata; implementing a comprehensive CI/CD pipeline with a custom Python testing suite that reveals 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/2ISxYM4>

EASY LOOP

Product Creator

Cupertino, CA

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

Software Engineering Intern

Mountain View, CA

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
- Delivered thorough qualitative analysis reports by building cross-browser automated testing suites using Protractor, Mocha/Chai, Jenkins, ReactUtil & Selenium
- Developed Postman automated test suites for REST API with various business scenarios

UC BERKELEY DECAL BOARD

Web Development Lead

Berkeley, CA

January 2019 - Present

- Launching UC Berkeley DeCal Program's premiere portal for students to find, create, and facilitate courses
- Integrating Google OAuth 2.0 protocol for authentication and authorization to personalize students' experience
- 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, Numpy/Pandas, HTML5, CSS3, REST API Development, React Native

Familiar: AWS, Docker, gRPC, Flask, Sci-Kit Learn, Blockchain

ACCOMPLISHMENTS

- Top 14 of 500 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