SRIHARSHA GUDUGUNTLA

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Aspiring Computer Scientist bearing 5+ years of experience in full stack open-source web development, systems, and creative design skills. Enjoy applying the latest cutting-edge technologies to forge innovative solutions to a variety of engineering challenges, ultimately seeking to drive large-scale impact.

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY   **Berkeley, CA**
B.A. Computer Science, B.A. Economics, Class of 2022   *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 Buildings, Energy, and Transportation (BETS) Research Group   *January 2019 – Present*
- Restructuring gRPC microservices for collecting building metadata to enhance energy efficiency and sustainability of commercial buildings; implementing a CI/CD pipeline with a comprehensive Python testing suite
- Releasing an open-source web platform to substantially reduce the effort for researchers to extract, clean, and visualize 100,000+ point labels from 92 different buildings; built with Flask and React/Redux
- Clustering building metadata using semi-supervised machine learning and natural language processing techniques, expediting the metadata cleaning process
- Coauthored research paper for the ACM BuildSys Conference (2019):
  Dataset: An Open Dataset and Collection Tool for BMS Point Labels, **Link**: https://bit.ly/2lSxYM4

EASY LOOP   **Cupertino, CA**
Product Creator   *January 2016 – Present*
- Pioneered an open-source Chrome Extension serving 20,000+ high school students daily 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
- Delivered thorough qualitative analysis reports by building cross-browser and REST API automated testing suites using Protractor, Mocha/Chai, Jenkins, ReactUtil, Selenium, and Postman

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
- 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; presented research proposal (**Link:** https://bit.ly/2n2FXGw) and proof of concept (**Link:** https://bit.ly/2m1990r)
- 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 hackathon, TinoHacks, twice by raising $20,000 and acquiring 350 participants