SRIHARSHA GUDUGUNTLA

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Innovator bearing 6+ years of experience who loves full stack open-source web development, systems, and data science.

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY   **Berkeley, CA**
B.A. Computer Science, Class of 2022   *August 2018 – Present*
Honors: Regents' & Chancellor's Scholarship Candidate, Certificate in Entrepreneurship & Technology
Relevant Coursework: Multivariable Calculus, Structure and Interpretation of Computer Programs, Data Structures, Discrete Math and Probability Theory, Designing Info Devices & Systems I & II, Foundations of Data Science, Probability and Stats in Data Science, Operating Systems and System Programming, Optimization Models, Intro to Machine Learning (current), Intro to Database Systems (current)

EXPERIENCE

SALESFORCE   **San Francisco, CA**
Software Engineering Intern   *May 2020 – August 2020*
- Transitioned the Einstein AI Bot Builder team's Map View feature into GA by being the first to introduce modern ADA compliant web accessibility features to Salesforce's popular flow builder component
- Engineered brand-new, advanced keyboard navigation tools for individuals with assistive devices; maximized significant performance by introducing a new bidirectional tree data structure (ES6 JavaScript)
- Presented two live demos to 100+ employees and executives — sparked interest in many other teams for adoption
- Migrated and customized old Aura web components into Salesforce's new modern class based LWC components using ES6 JavaScript, HTML, and CSS; developed comprehensive Jest integration and unit tests

BERKELEY RISE LAB   **Berkeley, CA**
Research Assistant at BETS Research Group   *January 2019 – May 2020*
- Refined Python gRPC microservices for collecting metadata to enhance energy efficiency of commercial buildings
- Released 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 Python, Flask, and React/Redux
- Applied supervised machine learning & natural language processing to cluster metadata & expedite cleaning process
- Coauthored research paper alongside Gabe Fierro & Prof. David Culler for ACM BuildSys Conference: bit.ly/2ISxYM4

CALYPSO FINANCES   **Berkeley, CA**
Founder   *December 2019 - Present*
- Launching a fintech platform for servicing personal loans by connecting borrowers with potential lenders
- Designing backend SQL database and REST API architecture with JWT OAuth 2.0 protocol for lenders and borrowers
- Constructing a functional web portal from scratch for beta testing and simulations using JS React, Redux frontend and Node.js, TypeScript, Express, TypeORM, PostgreSQL, Docker, AWS backend, and Jest + Travis CI/CD pipeline

EASY LOOP   **Cupertino, CA**
Founder   *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: tinyurl.com/easyloop, **Press Link:** bit.ly/2oBab3m

SKILLS

Proficient: Java, Python, JavaScript, C, TypeScript, Node.js, Express, NestJS, React, Redux, GraphQL, MongoDB, SQL, RESTful Web Services, Numpy/Pandas, Sci-Kit Learn, HTML5, CSS3, React Native, Jest
Familiar: AWS, Docker, gRPC, Flask, Blockchain

ACCOMPLISHMENTS

- National finalist for NBA Hackathon 2019; research proposal (bit.ly/2n2FXGw) & proof of concept (bit.ly/2m1990r)
- Top 3 teams out of 150+ teams at UC Berkeley SCET's annual Collider Cup startup competition
- 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