

SRIHARSHA GUDUGUNTLA

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Innovator bearing 5+ years of experience who loves full stack open-source web development, systems, and design.

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

B.A. Computer Science, Class of 2022

Berkeley, CA

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 (current), Optimization Models (current)

EXPERIENCE

SALESFORCE

Software Engineering Intern

San Francisco, CA

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

Research Assistant at BETS Research Group

Berkeley, CA

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](https://arxiv.org/abs/2108.08844)

CALYPSO FINANCES

Founder

Berkeley, CA

December 2019 - Present

- Launching a blockchain-based platform for servicing personal loans by connecting borrowers with potential lenders
- Designing REST API architecture and SQL database 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

Founder

Cupertino, CA

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, TypeScript, Node.js, Express, React, Redux, GraphQL, MongoDB, SQL, RESTful Web Services, Numpy/Pandas, HTML5, CSS3, React Native, Jest

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:** bit.ly/2n2FXGw) and proof of concept (**Link:** bit.ly/2m1990r)
- Top 3 teams out of 150+ teams at 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