

SRIHARSHA GUDUGUNTLA

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EDUCATION

University of California, Berkeley

Berkeley, CA

B.A. Computer Science | Minor in Data Science | Class of 2022

August 2018 – Present

Honors: Regents' & Chancellor's Scholarship Candidate, Certificate in Entrepreneurship & Technology

Relevant Coursework: Multivariable Calculus, Structure & Interpretation of Computer Programs, Data Structures, Discrete Math & Probability Theory, Designing Info Devices & Systems I & II, Foundations of Data Science, Probability & Stats in Data Science, Operating Systems & System Programming, Optimization Models, Machine Learning, Database Systems, Computer Vision (current), Computer Security (current), Applied Data Science with Venture Apps (current)

EXPERIENCE

Salesforce

San Francisco, CA

Software Engineering Intern

May 2021 – August 2021

- Revamped Builder Setup UI/UX with end-to-end testing & new backend API integrations (ES6 JavaScript, Java)
- Fostered feature discoverability through cross-team collaboration & integrating In-App Guidance features with builder to help customers learn about key AI features (LWC, Aura, ES6 JavaScript, Java, HTML, CSS)
- Delivered live demos to 100+ employees — being only second team to introduce In-App Guidance to builder UI

Software Engineering Intern

May 2020 – August 2020

- Transitioned the Einstein AI Bot Builder 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 keyboard navigation tools & boosted performance by introducing new bidirectional tree data structure
- Migrated and customized old Aura web components into Salesforce's new modern class based LWC components

Berkeley RISE Lab

Berkeley, CA

Research Assistant at ERDOS Self-Driving Research Team

January 2021 - Present

- Implementing a highly available, fault tolerance pipeline for an in-house streaming dataflow-based operating system for autonomous vehicles (Python, Rust) under supervision of Prof. Joseph Gonzalez, Peter Schafhalter, & Sukrit Kalra

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 – March 2021

- Launched a fintech platform for servicing personal loans by connecting borrowers with potential lenders
- Led team of 3 engineers to construct a production-ready web portal in less than 2 months using JavaScript React, Redux frontend and Node.js, TypeScript, Express, TypeORM, PostgreSQL, REST API, Docker, AWS backend, and Jest + Travis CI/CD pipeline
- Conducted 100+ market validation interviews, beta testing, & simulations to help optimize business & go-to-market strategy
- Participated in Blockchain at Berkeley & Berkeley Skydeck Hotdesk Accelerators' Summer, Fall, & Spring cohorts

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 400+ 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, REST, Numpy/Pandas, Sci-Kit Learn, HTML5, CSS3, React Native, Jest

Familiar: AWS, Docker, Rust, 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