SRIHARSHA GUDUGUNTLA

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Innovator and entrepreneur bearing 5+ years of experience in full stack open-source web development and systems.

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 (current), Optimization Models (current)

EXPERIENCE

SALESFORCE   **San Francisco, CA**
Software Engineering Intern   *May 2020 – August 2020*
- Transitioned the Einstein AI Bot Builder team's Map View feature from beta status into GA by being the first to introduce modern web accessibility standards to Salesforce's popular flow builder component
- Maximized performance by designing a new bidirectional tree data structure; incorporated a variety of advanced keyboard shortcuts that allow individuals with assistive devices to use the feature (ES6 JavaScript)
- Presented two live demos to 100+ employees and executives — sparked interest in many other accessibility teams
- Applied in-house web frameworks, Aura and Lightning Web Components (LWC), and migrated old Aura components into modern class based LWC components using ES6 JavaScript, HTML, and CSS; wrote 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 for the ACM BuildSys Conference (2019): https://bit.ly/2lSxYM4

CALYPSO FINANCES   **Berkeley, CA**
Founder   *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 authentication protocol for lenders and borrowers
- Constructing a functional web portal from scratch for beta testing and simulations using 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: http://tinyurl.com/easyloop, **Press Link:** https://bit.ly/2oBab3m

SKILLS

Proficient: Java, Python, JavaScript, TypeScript, Node.js, Express, React, Redux, GraphQL, MongoDB, SQL, Numpy/Pandas, HTML5, CSS3, RESTful Web Services, 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 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