Email: makdaraj7@gmail.com

Phone: +1 (408) 329-2151

RAJ MAKDA

GitHub: github.com/rajmakda

LinkedIn: linkedin.com/in/rajmakda

EDUCATION
Dean's Scholar B.S., Software Engineering   December 2018
San Jose State University, San Jose, CA – GPA 3.7
Relevant Courses: Information Security, Database Management Systems, Software Development Methodologies, Mobile Application Development, Object-oriented Design, Software Quality Assurance, Data Structures and Algorithms

TECHNICAL
Languages: Java, JavaScript, Swift, Python
Web Technologies: HTML5, CSS3, Node.js, Express.js, React.js, jQuery, Bootstrap 4, JSON, XML, Material-UI
Databases: MySQL, MongoDB
Tools: Docker, Git, ESLint

WORK EXPERIENCE
Software Engineering Intern, Pacific Gas & Electric Company [React.js, Node.js, MongoDB]   June 2018-Present
- Worked in an Agile environment to develop a web application in Node.js to track the number of phishing emails clicked by employees
- Developed a file upload and data visualization utility in React; built a REST API secured with authorization to process employee and phish data
- Tracked 500+ clicks on phishing emails in two months enabling management to send cybersecurity awareness training to employees
- Established continuous integration and deployment by containerizing the web server and Mongo database using Docker which improved development efficiency

Supplemental Instruction Leader, San Jose State University   Jan 2017-Present
- Provided 25.5 hours of tutoring and facilitated 32 collaborative group study sessions in Calculus and Computer Science resulting in overall grade improvement in 100% of students tutored over five-month period

ACADEMIC PROJECTS
WeMart [React.js, Node.js, AWS Dynamo DB]   Spring 2018
- Developed a web based online grocery shopping portal with a team of 8 people collaborating using Git
- Built interactive, reusable UI components in React using ES6/JSX based on progressive web application designs
- Helped integrate the Instacart-Snacks React component library and the Stripe API for payments

Gratis [Swift, iOS]   Spring 2018
- Developed an iOS application where SJSU students can view campus wide events for free food
- Designed and implemented a dynamic home page view using Apple MapKit
- Integrated the front-end to fetch events and user data from a Firebase database

YelpCamp [Node.js, Express.js, MongoDB, Bootstrap 4]   January 2018
- Developed a responsive web application where users can search for campgrounds, comment and view reviews
- Built server-side using Node.js and Express framework implementing REST APIs for campgrounds and comments
- Created campground, comment and user data models using Mongoose; implemented user authentication using passport.js

Hotel Reservation System [Java, MySQL, Swing]   October 2017
- Led a team of three to develop a desktop application with Java and Swing based on MVC architecture where users can search for and reserve hotel rooms
- Designed and maintained six database tables ensuring security and integrity of reservation and ratings data
- Implemented database recovery and backup system by archiving all data after a cutoff date selected by client