

ABHAY VARSHNEY

Experienced working with large companies including Apple & HPE. Goal-orientated full-stack Software Engineer experienced in disruptive technology including scalable micro-services and web frameworks.

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TECHNICAL SKILLS

Frameworks & Libraries: Chai.js, React.js, React Native, jQuery, Polymer.js, Selenium, Frisby, XCTest

Languages & Methodologies: Node.js, JavaScript ES6, Golang, Java, Python, Swift, Assembly, OOP, JQ, HTML/CSS3

Technologies & Tools: Postman, Bash/Git, Firebase, Elasticsearch, Algolia, Chrome DevTools, JIRA, Jenkins

Machine Learning: Scikit-Learn, Google Cloud Speech, Decision Tree, Linear Regression, Logistic Regression

INDUSTRY EXPERIENCES

APPLE INC., CA – SOFTWARE ENGINEER, 7/2019 - PRESENT

- ❖ Developed & integrated python Django micro-service to verify analytics payloads generated from content-driven apps.
- ❖ Scaled analytics coverage by 272x and reduced maintenance cost by 0.25x by through Hadoop Queries.
- ❖ Extended swift iOS UI framework for other teams to consume for automating their test suites.
- ❖ Onboarded new hires to assimilate into the team and make them become productive.

HP ENTERPRISE, CA – SOFTWARE DEVELOPER INTERN, 6/2018 - 5/2019

- ❖ Developed automation framework in GoLanguage using Selenium and Frisby for the HPE 3PAR Storage Management Console web application & implemented services to make RESTful calls to GoLang endpoints.
- ❖ Formed test case scripts to perform back-end verification using Command Line Interface calls.
- ❖ Developed end-to-end UI automation framework using Selenium object model.

REALTOR.COM, CA – SOFTWARE DEVELOPER INTERN, 07/2017-09/2017

- ❖ Responsible for completing an overhaul of testing services for Mobile API.
- ❖ Developed Service Registrar using Elastic Search & displayed property search listing results using React.js.
- ❖ Co-authored API-Version-Compare algorithms using Node.js to optimize property search results.
- ❖ Augmented data verification services for housing properties using Chai.js assertion library.
- ❖ Wrote a comprehensive collection of test cases to reduce production errors from 20% to 5%.

PERSONAL PORTFOLIO

NCAA BRACKET PREDICTOR - ([GITHUB.COM/ABHAYVARSHNEY/NCAA-BASKETBALL-PREDICTOR](https://github.com/abhayvarshney/ncaa-basketball-predictor))

- ❖ Smart twitter bot trained by a logistic regression model that used ELO ranking algorithm to predict the probability of an NCAA college basketball team winning a game - combined classroom learning's to the real-life interests outside of the classroom.
- ❖ Successfully predicted 68% of wins in 2017 NCAA Tournament. Implemented using Python & Scikit-Learn.

VIBE, MOBILE APP FOR IMPROMPTU HANGOUT WITH FRIENDS - ([GITHUB.COM/PROJECT-VIBE](https://github.com/abhayvarshney/project-vibe))

- ❖ A social media mobile application for students to plan impromptu local activities amongst their friends and explore "quick-join" public events that match a user's interests. Implemented using React Native, Algolia Search, Expo, Node.js, & Firebase.

TIMEM, TIME MANAGEMENT FOR HIGH SCHOOL STUDENTS - ([GITHUB.COM/TIMEM](https://github.com/abhayvarshney/timem))

- ❖ Application that analyzes user's web activity to provide analytics on social media usage & suggests how to increase sleep time.
- ❖ Implemented using *HTML5, JavaScript, CSS3, Polymer.js, Parse, IonIcons, & Chrome Extension*.

EDUCATION

BS IN COMPUTER SCIENCE, SANTA CLARA UNIVERSITY, JUNE 2019

Artificial Intelligence, Algorithms, Discrete Mathematics, Object-Oriented Programming, Computer Networks, Embedded Systems, Statistics in C.S., Linear Algebra, Operating Systems

ACHIEVEMENTS

CUM LAUDE UPON GRADUATION FROM SANTA CLARA UNIVERSITY, 2019

DEAN'S LIST FROM CPP DURING FALL/WINTER/SPRING TERMS, 2016-17

PRESIDENT'S LIST FROM CPP DURING SPRING TERM, 2017