

# KEVIN YU

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## EDUCATION

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### University of California, Berkeley

Bachelor of Arts, Computer Science | Graduation: May 2018

### Relevant Coursework:

Structure and Interpretation of Computer Programs  
Java Programming & Data Structures  
Machine Structures  
Discrete Mathematics & Probability Theory  
User Interface Design and Development

Computer Security  
Efficient Algorithms and Intractable Problems  
Database Systems  
Artificial Intelligence  
Linear Algebra & Differential Equation

## TECHNICAL SKILLS

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**Programming Languages:** (Proficient) - PHP, Java, Python, SQL | (Prior Experience) - C, Node.js, Javascript, HTML, CSS

**Technology:** JetBrains IDEs, XCUITest, Git, Linux, Selenium WebDriver, MySQL, TestRail, JIRA, Confluence, GitLab CI/CD, Laravel, Codeception, Docker

## WORK EXPERIENCE

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### Wag Labs Inc.

*SDET/QA Automation Engineer*

**Mountain View, California**

*February 2019 – Present*

- Implemented stateful mocks of third party APIs to prevent rate-limiting in CI Pipelines while reducing test runtime
- Used XCUITest automation framework to write automated UI tests for our iOS apps on various device sizes
- Worked closely with the iOS team to create a QA support app that configures common testing scenarios and performs actions repeatedly done by manual testers
- Wrote comprehensive suites of automated Smoke and Functional API tests using Codeception, a PHP testing framework

### Internet Brands

*QA Engineer Intern*

**El Segundo, California**

*July 2018 – January 2019*

- Streamlined Web Services testing by working with developers to create a suite of python automation scripts that thoroughly test our Web API
- Analyzed web application issues while actively designing and maintaining automated test scripts that utilize Selenium WebDriver modules on Robot Framework
- Developed functional, validation, end-to-end, and regression tests throughout the stages of the development cycle for multiple release environments
- Worked with other departments to achieve cross-functional goals that satisfy business expectations

## PROJECTS

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### Version Control System | Java:

- Implemented a local version control system by utilizing Java's Object Serialization mechanism to store objects locally
- Designed the internal tree structure of the version control system to make version restoration possible

### Pacman | Python:

- Developed intelligent Pacman agents capable of optimally traversing challenging mazes
- Applied Q-learning to compute the optimal actions in a given state while considering a number of obstacles in the maze

### Relational Database Management System | Java:

- Designed a database management system that finds the optimal execution plan for a SQL query using a dynamic programming algorithm based on a Selinger optimizer
- Implemented support for B+ tree indexing

## ADDITIONAL INTERESTS

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**Interests:** Skateboarding, Drawing, Marathon training