

Raymond Chan

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<http://raychan3.github.io/>

Education

University of California, Berkeley 08/2013 – 12/2017 (expected)

- GPA: 3.79.
- B.A. Computer Science and B.S. Business Administration.
- Relevant Coursework: Data Structures (A-), Machine Structures, Analytic Decision Modeling (A+), Algorithms (A-), Artificial Intelligence (B+), Machine Learning (Fall 2016).

Languages and Skills

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- (Proficient) Python, Java, Git, (Experienced) SQL, UNIX, Spring, Hibernate, C, HTML, CSS.
 - Fluent in English, Mandarin, and Cantonese.

Professional Experience

UC Berkeley – Undergraduate Student Instructor 01/2016 - Present

- Taught discussion and laboratory sections that consisted of 30 students for a computer science course that included recursion, O.O.P, data structures, and interpreters.
- Authored discussion handouts and laboratory exercises with other staff members.

ZapLabs LLC – Back End Software Engineering Intern 06/2016 – 08/2016

- Implemented Stripe payment and subscription integration for a web application on the Service and Controller layer utilizing the Spring and Hibernate ORM framework.
- Refactored Hibernate ORM libraries and optimized Spring Batch Jobs.

UC Berkeley – Course Tutor 06/2015 -12/2015

- Held weekly tutoring and review sections to strengthen students' understanding.

Projects

Search Agents (Python) 02/2016

- Implemented search algorithms and heuristics functions that maximized an agent's utility through a Euclidean maze with adversarial agents.

Depth Map Optimization (C) 11/2015

- Optimized a naïve depth map implementation via thread-level parallelism, loop unrolling, and SIMD.

Git Version Control System (Java) 04/2015

- Implemented basic commands such as checkout and branch, and advanced commands, such as merge and interactive rebase.
- Applied Unit Testing to check basic functionality and combinations of commands.

Leadership

ACACIA Fraternity – President of California Chapter 12/2014 – 12/2015

- Cleared \$120,000 of accounts receivable between the chapter and the property management company.
- Conducted chapter meetings with 40 members and lead mock demonstrations.

ACACIA Fraternity – Treasurer of California Chapter 05/2014 – 12/2014

- Managed and allocated a \$40,000 budget effectively by generating weekly expense reports.