

# Jimmy Tsang (Ti-Chieh)

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## EDUCATION

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**University of California, Berkeley**

Expected May 2019

*Electrical Engineering & Computer Science (EECS)*

**Professional Skills:** Java, Python, Photoshop, SQL, HTML5, CSS, PHP, JavaScript, Node, Angular JS, React/Redux, Scheme  
**Courses:** Data Structure and Algorithms, Structure of Computer Programming, Discrete Mathematics & Probability Theory, Linear Algebra and Differential Equations, Multivariable Calculus, Three-Dimensional Modeling, Engineering Physics

## INDUSTRY EXPERIENCE

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**Cartrack USA**

**Santa Monica, CA**

*Software Engineering/Product Development Intern*

May 2017 – Aug 2017

- Built customizable automated chat box through ZOHO API on company website working with international engineers.
- Used SQL to extract information from 6 Million+ lines of data in Adminer for MailChimp API mail campaign updates.
- Started Google Maps API code upgrade from previous tracking software which showed promising speed boost.

**Paolucci Salling & Martin**

**El Segundo, CA**

*Web Development Intern*

May 2016 – Aug 2016

- Applied front end to replicate visions made by design team with many edits on existing client websites
- Created websites and web apps from scratch using Drupal, WordPress, and Firebase.
- Improved system of constructing E-Cards with help of Photoshop and Dreamweaver decreasing time spent

**Ripple Recruiting**

**Berkeley, CA**

*Project Manager Internship*

Jan 2017 – Present

- Lead teams of roughly 10 both Spring and Fall Semesters to promote and advertise company throughout campus
- Organize weekly meetings for progress checks and team brainstorming sessions for new solutions to meet goals
- Taught workshops for professional and academic development for members and other students

## PROJECTS

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- BearMaps – Coded a navigation program for Berkeley campus with inputs start/end and output of shortest route powered by the A star algorithm. (A Google maps for the school)
- Database - Built small version of database management system with domain specific language of SQL using HashMaps in Java to store unique inputs and functions of merging data sets (tables).
- Ants vs Bees – Designed 7 different classes of ants with unique strengths designed to complement one another to defend the bees from reaching their queen. (tower defense game implemented through python)
- Designing Information Devices and Systems – Built basic camera, touch sensor, microphone, sound responsive lights

## EXTRACURRICULAR ACTIVITIES

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**DiversaTech** (Tech Consulting) - Client: *Wikipedia* - Researching marketing strategies to expand Wikipedia usage in India and Indonesia, preparing presentations to present solutions to Wikipedia headquarters.

**Phi Kappa Tau** - Recruitment Chair - planned two weeks of events using budget of \$100,000 for recruiting.

**Cal Club Boxing Team** - Competing in the National Collegiate Boxing Association league.

**Go-to-co** - Intern at Soong Ching – Ling Residence Beijing, China (one of the founders of PRC) teaching English.

**Berkeley Intramural Sports** - Referee Supervisor – supervise 20+ basketball referees and all intramural basketball games.

## INTERESTS/SKILLS

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- Basketball, Cooking, Rugby, Video Games
- Skills: Fluent in Mandarin and English

LinkedIn: <https://www.linkedin.com/in/jimmy-ti-chieh-tsang-97362b118/>

Website: [jimmytsang.gq](http://jimmytsang.gq)

GitHub: <https://github.com/jimmytsang/previous-projects>