

Ronald Adrian Arnanjaya

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Education

University of California, Berkeley

Berkeley, CA

B.A Computer Science

Expected May 2016

Relevant Coursework: - CS188 Artificial Intelligence - CS160 User Interface - CS186 Database
- CS169 Software Engineering - CS161 Security

Projects

- **Bytlyn.com** August - December 2015
Implemented database design, search feature, and rating system for managing restaurants wait list
- **Flare (Android Wear)** August – December 2015
Created gesture Invoked signal interface for cyclist while using the turn by turn navigation at night
- **KakiKaki (prottapp.com/p/5832ac)** July 2015
Prototyped the app user interface and developed backend API using Code Igniter framework
- **Heroes & Legends Organization Website (cgheroeslegends.com)** May 2015 – July 2015
Designed and launched a non profit organization website using JQuery and JavaScript library
- **Pacman Artificial Intelligence** February 2015 – May 2015
Implemented Pacman AI agent using optimization of variety search algorithms and probability approximation
- **Jumping Crab Game (IOS)** August 2014 – Present
Developed 2D mobile game with funny graphic and responsive physics using SpriteKit framework
- **Cal Free Food Website (Cal-free-food.herokuapp.com)** October 2014
Generated and showed list of event with free food in Cal using python Google api and flash

Experiences, Leaderships, & Volunteers

- **Undergraduate Researcher**, ICSI Berkeley December 2015 – Present
 - Analyze the entire dataset of leak information which collected from Haystack mobile app (haystack.mobi)
 - Presented the data as a interactive network graph using D3.js
 - Implemented search function for the whole dataset using simple PHP Postgresql script
- **Software Engineering Intern**, KapanLagi.com June 2015 – Aug 2015
 - Developed innovative and interactive mobile ad design for mobile customers
 - Implemented Governmental microsite using CodeIgniter in mobile and desktop version (dpdri.kapanlagi.com)
- **Volunteer on 4th CIO Annual Golf tournament Fundraising** 2013 – Present
Actively involved in organizing and facilitating IT leader Donors and Ambassadors in Silicon Valley
- **Vice President of International Club**, Ohlone College January 2014 – August 2014
Organized student activity such as welcome day, picnic and farewell party to help student to overcome culture shock and do well in college
- **Computer Lab Tutor**, Ohlone College January 2013 – January 2014
 - Helped and assisted diverse student to solve question and error in coding lab and homework
 - Modified src2tex (translate any source code to latex format) source code to display the source of error in code
 - Modified Fltk-Fluid user interface for better usability for student and professor

Skills

- Proficient in C, C++, Objective-C, Python, Assembly Language, Intel Intrinsic, Java, PHP, HTML, CSS, JavaScript, JQuery, SQL, MySql, Ruby on Rails, Code Igniter, Java Swing
- Literate Programming using LaTeX (also plain Tex), FLTK-Fluid (C++ GUI), Nuweb system
- Suitable with Adobe Photoshop, Premiere CC, Corel draw, Pinnacle Studio, iMovie, Microsoft office Word, PowerPoint, Excel, Macromedia Dreamweaver, Xcode, Windows, Mac, Unix

Achievements & Honors

- 2014 Ohlone College Stephen E. Epler Leadership Scholarship recipient
- 2013 Member of Phi Theta Kappa National Honor Society