

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
- CS169 Software Engineering - CS161 Security

Projects

- **KakiKaki (prottapp.com/p/5832ac)** July 2015 – Present
Prototyped the app user interface and developed backend API using php
- **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, also integrated with GameCenter
- **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
- **15 puzzle solver using Hadoop and Spark MapReduce** October 2014
Used Apache Spark and Amazon EC2 service to solve the *15 puzzle* in parallel over 12 instances.
- **Autostereogram & Visual Dereferencer** November 2014
Generated a depth map of 2 images by comparing the Euclidean distance between 2 similar feature, converted it to quadtree, and generated the random dot autostereogram image

Experiences, Leaderships, & Volunteers

- **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 Scholarship Fund 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
 - Created a digital application form for Respiratory Therapist Department of Ohlone College

Skills

- Proficient in C, C++, Objective-C, Python, Assembly Language, Intel Intrinsic, Java, PHP, HTML, CSS, JavaScript, JQuery, SQL, MySql, Scheme
- Literate Programming using LaTeX (also plain Tex), Data Structure, FLTK-Fluid (C++ GUI software), Combined code and documentation using Nuweb system, Ruby on Rails, Code Igniter, Java Swing
- 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