

**Ellie (Chung) Yeung**  
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## EDUCATION

### University of California, Davis

Expected: March 2017

Bachelor of Science, Computer Science and Engineering (CS GPA: 3.5), Biomedical Engineering

Relevant Courses: Embedded Systems, Computer Architecture, Circuits, Declarative Programming

## SKILLS

**Programming Languages:** C, C++, Ruby on Rails, Haskell, Prolog, Java, MATLAB, C#, MySQL

**Software:** Microsoft Office, Solidworks, Linux, Git, Code Composer Studio, Simics, Quick Build

**Languages:** Cantonese, Mandarin, French

## EXPERIENCE

- **Software Engineer**, Contractor for **Intel Corporation** Apr 2016 – Sept 2016
  - Designed and implemented automation infrastructure with and for firmware validation interdisciplinary team, including platform setup, platform maintenance, and test scripts execution.
  - Debugged infrastructure and firmware regressions discovered via continuous integration.
  - Executed and debugged at least 10 pre-silicon or silicon kits of tests for CPU, PCH, SoC, and WS/SRV, delivering results within 48 hours of each kit release.
- **FireMonkeyHead**, University of Melbourne Sept 2015 – Oct 2015
  - Designing and publishing a Windows game application onto Windows Store using SharpDX, Blender, and Visual C#
  - Implemented an A\* algorithm for path-finding, matrix manipulation for arrow key movements and yaw, pitch, roll, and features such as game over, restart, and difficulty, submitting more than 50 commits and written/edited more than 1000 lines of code.
  - Created xaml pages and enhanced code optimization.
- **WalkAbout Electronic Goniometer**, University of California, Davis Dec 2014 – Jun 2015
  - Designed and developed a portable electronic goniometer to monitor dog joint health
  - Programmed Arduino to acquire and log data, architected algorithm for data processing, assisted with circuit design
- **Program Coordinator**, Great Eastern Co. Ltd., Hong Kong May 2014 – Aug 2014
  - Mentored 20 study tour students at St. Mary's University, Twickenham
  - Organized the itinerary of a two-week study tour program
  - Introduced studying aboard and its differences between China, UK, and US
- **Veterinarian Assistant**, Global Medical Training Jun 2014
  - Shadowed veterinarians in Nicaragua to visit ranches and host clinics to help animals, including horses, goats, dogs, cats, and rabbits
- **Math Tutor**, Piedmont Hills High School, San Jose Dec 2010 – May 2011
  - Provided guidance to students in algebra, geometry, and calculus

## ACTIVITIES

- HackDavis (runner-up for Best Use of Amazon Alexa Voice) May 2016, Jan 2017
- UC Education Aboard Program: University of Melbourne July 2015 – Nov 2015
- Global Leadership Organization Conference Feb 2015
- Asian Pacific Islander Leadership Retreat (returned as mentor) Jan 2015, Jan 2016
- First Robotics Competition: Logo Motion Feb 2011 – Apr 2011