**Frederick Chen**

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# EDUCATION

**Carnegie Mellon University**, Pittsburgh, PA GPA: 3.08

Bachelor of Science in Computer Science (Minor: Robotics), May 2015

**University of California – Los Angeles**, Los Angeles, CA

Bachelor of Science in Computer Science (August 2012 – May 2013) GPA: 3.67

**Washington State University**, Pullman, WA

Running Start Program, (August 2010 - June 2012) GPA: 3.95

* State program that allows juniors and seniors to take college courses (53 units completed)

**Pullman High School**, Pullman, WA

High School Diploma with Honors, June 2012 GPA: 3.96

# PROFESSIONAL EXPERIENCE

**Systex Corporation,** Taipei, Taiwan

*Student Intern* (Summer 2013)

* Consulted with clients to determine their IT needs
* Assembled solutions to meet clients’ IT security needs
* Learned and worked with Big-Data business models
* Integrated cloud services such as IaaS and SaaS in business models **Washington State University Physics Department**, Pullman, WA *Student Researcher* (September 2011 - May 2012)
* Worked with luminescence machines to analyze luminescence properties and applications of YAG and ZnO
* Won the "Early Career" Award in SURCA for the Engineering and Physical Science category

# PROJECTS

**Applied Computational Intelligence Lab (2014), Pittsburgh, PA**

* Carnegie Mellon University: Creating a smart mirror interface to display various information
  + Implementing features such as facial recognition, voice sensing, and information display.
  + Integrating local and personal information to display and communicate to the users
  + Utilizing various techniques learned out of class such as application development and kinetic programming

# Intro to Robotics Projects (2014), Pittsburgh, PA

* Carnegie Mellon University: Using the Lego Mindstorm NXT to perform various challenges
  + Completed challenges such as dead reckoning, path search, trajectory following, localization, and USAR challenge.
  + Working with members of different discipline such as mechanical and electrical engineering
  + Utilized various techniques learned in class including motor encoders, graph search algorithm, workspace and configuration space, and probability mapping

# SKILLS

**Computer Languages:** C, C++, SML, RobotC, C#, HTML, CSS, Java, JavaScript, PHP

**Applications**: Matlab, Visual Studio .NET, Origin **Operating Systems**: Unix, Linux, Windows, Mac OS Fluent in English, Chinese, and Japanese

Soft Skills: Communication, interpersonal skills, adaptability, motivation, teamwork, commitment