

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

System 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