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**SOFIE WARE**  
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U.S. Citizen

Permanent Address  
79 Grand Street  
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## EDUCATION

**CARNEGIE MELLON UNIVERSITY** Pittsburgh, PA  
Master of Science in Electrical and Computer Engineering MAY 2016  
Bachelor of Science in Electrical and Computer Engineering MAY 2015  
Minor: Chinese Studies  
Overall GPA: 3.4/4.00

## COMPUTER SKILLS

**Programming Languages:** C/C++, Java, Python, System Verilog, Verilog, MATLAB  
**Software:** Git, MS Office, SolidWorks, AutoCAD, Revit, AGI32, Cadence  
**Operating Systems:** Apple Macintosh OSX, Microsoft Windows OS, Linux Ubuntu  
**Foreign Languages:** Mandarin (Chinese)

## WORK EXPERIENCE

**CARNEGIE MELLON UNIVERSITY CYLAB** Pittsburgh, PA  
**Summer Research Software Intern** Summer 2015

- Accomplished autonomous flight using GPS Waypoints for A.R. Drone 2.0
- Assisted in human detection algorithms using thermal camera
- Contributed to long-range radio drone-to-drone communications

**M.C. DEAN** Dulles, VA  
**Design Engineer Intern** Summer 2014

- Designed lighting circuits in 2 current projects using AutoDesk AutoCAD and Revit
- Performed lighting calculations and analysis using AGI32
- Conducted over 20 pages of takeoffs for cost analysis
- Corrected over 30 pages of lighting diagrams and circuiting

**GENERAL DYNAMICS INFORMATION TECHNOLOGY** Fairfax, VA  
**Technical Summer Intern** Spring 2013

- Developed desktop virtualization solutions for 2 government contracts
- Involved in pitching Email as a Service (EaaS) to 3 U.S. government agencies
- Performed a market analysis in the Federal Space for Cloud technology and desktop virtualization solutions

**CARNEGIE MELLON UNIVERSITY** Pittsburgh, PA  
**Computing Skills Course Instructor, Computer Education** August 2011 – May 2013

- Instructed required computer skills course for incoming freshmen
- Worked with and evaluated students to promote maximum computing utilization

## PROJECTS

**Road Sign Recognition**, Digital Communication & Signal Processing System Design Spring 2014

- Designed and implemented a road sign recognition algorithm on a TI C67 DSP
- Presented project at the Carnegie Mellon Undergraduate Research Symposium

**Analog Circuit Design and Analysis**, Electronic Devices and Analog Circuits Fall 2013

- Participated in a series of hands-on labs to build and operate analog circuits
- Gained experience in circuit and component modeling, amplifiers, filters and signal detection and processing

## LEADERSHIP

**OM – Spiritual Organization**, President: Apr. 2015 – present, Secretary: Jan. 2014 – Mar. 2015  
**Office of the Dean of Student Affairs**

- Planning Committee, Take Our Children to Work Day: August 2012 – present
- Volunteer, Niteline Information Resource/ Crisis Control Phone Line: August 2011 – present
- Planning Committee, Mosaic Annual Conference on Women's Issues: 2013 – 2014
- Society of Women Engineers**, Annual Winter Semiformal Chair: April 2012 – March 2014

## HONORS

Dean's List, College of Engineering: Fall 2013  
Sony Scholarship, 2012