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SOFIE WARE
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U.S. Citizen

Permanent Address
79 Grand Street
Newport, NY 11355

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