

Kenneth Hale, Jr.
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Education

Drexel University
Bachelor of Science in Electrical Engineering

Philadelphia, PA
Anticipated Graduation: June 2016
Cumulative GPA: 3.85

Camden County College
Associate of Science in Engineering Science
Associate of Science in Mathematics

Blackwood, NJ
Graduated: June 2013
Cumulative GPA: 3.79

Honors

Dean's List, Drexel University, Winter Quarter 2013 - Present
Dean's Scholarship, Drexel University, 2013 - 2015
New Jersey STARS, State of New Jersey 2010 - 2013

Skills

Computer: Altium Designer, MATLAB, Microsoft Office (Excel, Word, PowerPoint, Visio), Java, C++, PSpice, AutoCAD, PVCS, SmarTeam, DocRevs

Machine: Modular Impulse Generator, Coupling Transformer, Spectrum Analyzer, Digital Multimeter, Solder Station / Microscope, Waveform Generator, Voltage & Current Generators, Environmental & Temperature Chambers, Oscilloscope, Various Probes

Relevant Coursework

Wireless Communications
Solar Energy Engineering
Micro-Controllers

Analog and Digital Communications
Electromagnetic Fields & Waves
Electrical Computer Engineering Laboratory I - IV

Engineering Design Project

- Built bluetooth controlled, autonomous Arduino robot
- Designed structure to optimize robot mobility through research into different patterns of pin configuration
- Integrated several remote monitoring sensors and coded Arduino to utilize sensors for navigation
- Demonstrated final product in video (<https://www.youtube.com/watch?v=agIDP063bQg>)

Experience

AMETEK Aerospace & Defense
Co-op (March 2015 - Sept 2015) / Part Time (Sept 2015 - Present)

Harleysville, PA
March 2015 - Present

- Design, layout and assemble PCB's using Altium Designer
- Perform ATP's and FTP's on test articles to ensure EUT is functional.
- Conduct qualification tests (Temperature, Humidity, Lightning) per RTCA DO-160G
- Complete EMI tests (RE & CE) using spectrum analyzer and AR software
- Supervise CAD personnel updating configuration controlled documents
- Find replacements for obsolete parts and update drawings using CAD and WORD
- Write engineering change notices (ECN's) utilizing SmarTeam and DocRevs

Activities

Member, Institute of Electrical and Electronics Engineers, Drexel University, 2014 to Present