

Education

Rensselaer Polytechnic Institute, Troy, NY
Bachelor of Science in Mechanical Engineering

GPA: 3.54
Expected graduation: May 2017

Related Experience

- Undergraduate Research for the Center for Flow, Physics and Control Fall 2014—Present
- Assisted in designing, building, and modeling a calibration mount using NX CAD
 - Assembled and prepared airfoils for wind tunnel testing.
 - Designed and machined the windows, and the motor assembly for a water tunnel
- Shipside Support Intern for the Boeing Company in Tukwila, WA 98108 June – August 18, 2016
- Worked as a Manufacturing Research and Development Engineer for the P-8 program designing, prototyping (via additive manufacturing), and manufacturing shop aids to improve factory production, efficiency and safety while ensuring customer satisfaction
 - Turned the outer diameter of bushings per factory's request utilizing a lathe
 - Designed and 3D printed a limited access crowfoot wrench
 - Programmed and wired internals of an electronic thermostat for time and sensitive material cabinets utilizing a Raspberry Pi 3
- Tooling Intern for the Boeing Company in Tukwila, WA 98108 Summer 2015
- Worked as a Tool Engineer for the P-8 program designing new tools and improving existing designs to increase factory efficiency, productivity and safety. Hired through the Engineering Accelerated Hiring Initiative(EAHI) program
- RPI Introduction to Engineering Design Spring 2015
- Designed and performed the thermal analysis of a housing unit for a pipe freeze protection system using NX 9
- RPI Embedded Control Fall 2016
- Developed hardware and software that enabled the microprocessor(a car) to perform various tasks such as driving up a hill and stopping once it reached flat ground

Relevant Coursework

- Engineering Processes
- Strengths of Material
- Thermals and Fluid
- Nanotechnology
- Aerodynamics
- Embedded Control

Leadership & Activities

- MANE Student Advisory Council: *Chair, RPI* Present
- Mechanical, Aeronautical, and Nuclear Engineering(MANE)
- Pi Tau Sigma: *Vice President* Present
- Mechanical Engineering Honor Society
- MANE Student Advisory Council: *Vice Chair for Faculty Hiring, RPI* 2015 -2016
- National Society of Black Engineers: *General body member* 2013—Present

Skills

C AD: CATIA V5, NX 9, Solid Works
Programming: Python, C, Node Red, Lab View
Languages: Proficient in Kiswahili, English, and Kikuyu, and a working knowledge in French

Honors / Awards

- Pi Tau Sigma member
- 2013,2014, and 2015 Deans List
- Spring 2015 Boeing scholarship recipient
- Rensselaer Leadership Award