Geoffrey Odlum

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Current Address
511 Golden Harvest Circle
Blacksburg, Virginia, 24060

Permanent Address
5136 10th Rd N
Arlington, Virginia, 22205

Education

B.S. Mechanical Engineering, May 2018, Virginia Tech, Blacksburg, Virginia; **GPA** 3.65, **In-Major GPA** 3.73

Experience

DuPont, Sales Operations Co-op; Richmond, VA; May 2016 – August 2016

- Supported global sales team as DuPont Protection Solutions SalesForce.com administrator;
- Cold-called leads to determine interest in new Nomex® products;
- Developed Excel templates to make daily reports more efficient to process;
- Integrated global Starbucks accounts in SalesForce to facilitate communication between sales reps;
- Piloted new customer satisfaction survey tool through an internal business-wide trial.

DuPont, Process Control Engineer Co-op; Richmond, VA; August 2015 – January 2016

- Process Control Engineer co-op for Tyvek® manufacturing technical group;
- Assisted in design of new high-pressure steam safety interlock;
- Updated Control Loop Sheet Diagrams to reflect changes in Distributed Control System programming;
- Gained competence reading and editing Piping & Instrumentation Diagrams;
- Drafted designs for more efficient Tyvek® sheet inspection stand.

Jacobs Engineering, Mechanical Engineering Intern; Arlington, VA; May 2015 – August 2015

- Intern in Jacobs Global Buildings North America (GBNA) mechanical department;
- Drafted building plans in AutoCAD, Revit, Bentley Microstation;
- Conducted Static Pressure Drop calculations for HVAC system designs;
- Analyzed office building air supply systems to ensure compliance with ASHRAE 62.1 / LEED standards;
- Created schedule sheets for mechanical equipment.

DuPont, Manufacturing Engineer Co-op; Richmond, VA; January 2015 – May 2015

- Manufacturing Technology Engineer co-op for Nomex® Paper technical group;
- Provided technical support to critical steps of paper-making process, including floc cutting, paper forming, and calendering;
- Investigated short-term production and defect issues through data collection and analysis;
- Conducted Quality Assurance testing of defects in laminate-grade papers;
- Assisted in development of more efficient dielectric QA test for electrical-grade papers.

Hybrid Electric Vehicle Team, Team Member; Fall 2016 – Present;

- Independent Study student on Electrical sub-team;
- Creating diagrams of low-voltage car electronics system.

Atmospheric Teaching Experiment Design Team (ATEx@VT), Team Lead; Fall 2013 – Present

- Design team leader; in charge of setting annual budget, running weekly meetings, coordinating launches;
- Designed weather balloon bus structure, remote cut-down system, insulation system;
- Presented at and co-authored paper for AIAA Student Conference, April 2014;
- Taught outreach curriculum to over 200 elementary school students.

Virginia Tech Center for the Enhancement of Engineering Diversity (CEED), Upper-class Mentor, August 2014 – December 2014

- Served as residential mentor for men's engineering community;
- Mentored six freshman engineering students over ten week fall semester period.

Technical Skills

Autodesk Inventor / Revit / AutoCAD
Reading, editing P&IDs
C / C++ / Python / Mathematica
MATLAB / Simulink
Microsoft Excel / VBA
Welding, Lathe experience
EAGLE PCB design
Amateur Radio Technician License

Honors and Awards

Virginia Tech University Honors, Fall 2013 – Present
Dean's List, College of Engineering, Virginia Tech, 2013, 2014, 2016
Dean's Scholarship, College of Engineering, Virginia Tech, 2013 – Present
Eagle Scout, Bronze Palm, Earned May 2010