

# JOHN P. NOON

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**EDUCATION:** **Bachelor of Science, Electrical Engineering**, expected in May 2018.  
Virginia Polytechnic Institute and State University, Blacksburg, VA. **GPA 3.30**

**Completed ECE Courses:** Problem Solving with C++, Circuit Analysis, Microcontroller Interfacing, Electronics, Signals and Systems

**Completed ECE Courses by Summer 2017:** AC Circuit Analysis (Currently Enrolled), Electromagnetic Fields (Currently Enrolled), Continuous and Discrete Systems, Analog Electronics, Introduction to Power Systems, Introduction to Communication Systems

**Diploma**, Bishop Guertin High School, Nashua, NH. June 2014. **GPA 3.79**; Four Year Honor Roll.

**EXPERIENCE:** **Undergraduate Research Assistant**, Center for Power Electronics Systems, Virginia Tech. 2016-Present.

- Analyzed sensor board for modular uninterruptable power supply
- Modeled and simulated filter performance

**Applications Engineering Intern**, Linear Technology Corporation, Auburn, NH. Summers 2015 and 2016.

- Characterized output current and thermal performance of DC-DC converters
- Analyzed effect of PCB on DC-DC converter thermal and output current performance
- Collected performance data for the datasheets of soon to be released parts
- Published an internal report on the thermal characterization data
- Visited electromagnetic interference testing lab and worked with senior engineer to improve EMI performance by changing filter components
- Evaluated circuits using current probes, oscilloscopes, multimeters, and thermal imagers
- Built wireless sensor network and wrote macros in Excel to parse data

**CanSat Competition**, Electrical team member and treasurer, Virginia Tech. 2015-Present.

- Design main system power supply including solar panel and supercapacitor selection

**VT USIP CubeSat**, Power and Electronics team member, Virginia Tech. 2016-Present

- Manage Power Budget and select power system components

**AMP Lab**, Virginia Tech, Blacksburg, VA. 2015-present

- Designed and built modular speaker system

**COMPUTER SKILLS:** **C, C++, MatLab and Verilog**  
**LTspice, Quartus, LabVIEW, and CAD** with Autodesk Inventor

**HONORS:** **Golden Gobbler Award**, Virginia Tech. 2015 and 2016

- Awarded for outstanding service to a Residence Hall Federation Executive Board Member.

**Hall Council of the Year**, Virginia Tech, 2016.

**LEADERSHIP:** **Mentor and Leadership Team Member**, Galileo Living Learning Community, Virginia Tech. 2015-Present

- Facilitate and supervise 11 mentors as they guide their 5-6 freshmen
- Guided 5 freshmen academically and socially through the first 10 weeks of college
- Led Physics review sessions for 150+ students

**President**, Lee Hall, Virginia Tech. 2015-2016

- Organized the structure of the Hall Council, forming committees with goals and objectives
- Planned and led weekly meetings
- Served as a liaison between university officials and residents
- Planned and executed events for 20-300 students
- Met with university administration to discuss the needs of the on campus population

**ACTIVITIES:** **Practice Player**, Virginia Tech Women's Varsity Basketball. 2015-Present  
**Tutor**, Bishop Guertin High School students. 2012-Present  
**Volunteer**, Merrimack Youth Association, Merrimack, NH. 2010-2015