

# Andrew Norton

**Contact:**

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**Permanent Address:**

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**Education**

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**University of Virginia, School of Engineering and Applied Science** May 2017

B.S. in Computer Science, Minor in Mathematics

GPA: 3.97/4.00

**Virginia Western Community College** May 2014

A.S. in Engineering

GPA: 4.0/4.0, *summa cum laude*

**Work Experience**

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**Teaching Assistant, UVa, Computer Science Dept.** Spring 2015 – Present

- Held office hours, answered questions during lab, and graded papers
- Classes: CS 2110 (Software Dev. Methods) and CS 2150 (Program & Data Representation)

**Web Analytics Intern, UVa, Information Technology Services Dept.** Summer 2015

- Configured Google Analytics for use on the ITS website
- Created tutorials to explain use after end of internship

**Math and Science Tutor, Virginia Western Community College** May 2013 – August 2014

- Tutored Calc I through Differential Equations, Linear Algebra, Physics, and C++
- Taught five placement test seminars for entering students with up to 20 attendees at each

**Activities**

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**Robotics Camp Counselor, UVa, Center for Diversity in Engineering** Summer 2015

- Developed custom lesson plan, materials, and end-of-camp competition
- Led robotics activities for two camps for a total of over 70 high school campers

**Programming Competitions** 2012 – 2014

- Placed 4<sup>th</sup> of 188 teams at 2014 Mid-Atlantic ACM ICPC Regional (highest of all UVa teams)
- Placed 2<sup>nd</sup> of 39 teams and 5<sup>th</sup> of 17 teams at two UVa-sponsored high school tournaments
- Started and led a programming competition team in the Roanoke Valley

**VWCC Autonomous Robot Competition** 2012 – 2013

- Designed, built, and programmed an autonomous robot to navigate a track and collect items
- Competed two years, placing 4<sup>th</sup> and 2<sup>nd</sup> out of ~50 teams.

**Honors Project: Computer Programming for Engineers [C++]** Spring 2014

- Developed a Linear Algebra library, including features for solving linear equations
- Developed program to process multiple 75K line files that generated statistics for (real-world) 6-bit RF Attenuator wafer run tests to determine potentially bad wafer cells

**Honors and Awards**

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**Tau Beta Pi (National Engineering Honor Society) Member** Spring 2015 – Present

**Recipient of the VWCC All Virginia Academic Team Award and Scholarship** Spring 2014

**Earned Eagle Scout rank, Boy Scouts of America** June 2013

**Leadership**

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**Contest Director, ACM@UVa High School Programming Competition** 2015 – 2016

**Transfer Student Peer Advisor, University of Virginia** Summer 2015

**President, VWCC Math Club** 2013 – 2014

**Technical Skills**

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**Languages:** Java, C++, C, Python, Visual BASIC

**Tools:** Eclipse, Visual Studio, Git/GitHub, Autodesk Inventor

**Platforms:** Windows Vista through 8.1, Ubuntu Linux