# Andrew Norton

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## Education

**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

**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

**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$^{th}$ of 188 teams at 2014 Mid-Atlantic ACM ICPC Regional (highest of all UVa teams)
- Placed 2$^{nd}$ of 39 teams and 5$^{th}$ 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$^{th}$ and 2$^{nd}$ 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

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

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

**Languages:** Java, C++, C, Visual BASIC
**Tools:** Eclipse, Visual Studio, Git/GitHub, Autodesk Inventor
**Platforms:** Windows Vista through 8.1, Ubuntu Linux