

Andrew Norton

Contact:

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Permanent Address:

825 Park Lane SW
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Education

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

B.S. Double major in Computer Science and Mathematics
GPA: 3.80/4.00

Virginia Western Community College May 2014

A.S. in Engineering
GPA: 4.0/4.0, *summa cum laude*

Work Experience

Software Development Intern, Microsoft, Windows Devices Group Summer 2016

- Developed app for font preview, filtering, and selection from cloud and local sources
- Utilized Direct2D, DWrite, and Universal Windows Platform technologies

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

Undergraduate Research, UVa, Machine Learning Research Group Spring 2016-Present

- Researching deep neural nets with defense against adversarial input
- Presented weekly literature review slides to research group
- Studied papers from NIPS, ICML, and JMLR

Class Project: Interpreter and Compiler Spring 2016

- Developed an interpreter and compiler for an object-oriented language
- Project produced optimized x86-64 code and detected syntax or type errors
- Utilized git source control extensively for code management with teammate

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 1st of 180+ teams at 2015 Mid-Atlantic ACM ICPC Regional
- Qualified for and Competed in the 2016 ACM ICPC World Finals

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

Eagle Scout, Boy Scouts of America June 2013

Leadership

President, ACM Chapter at UVa 2016 – Present

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

Transfer Student Peer Advisor, University of Virginia Summer 2015

Technical Skills

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

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

Platforms: Windows Vista through 10, Ubuntu Linux