

# DAVID ZHAO

COMPUTER SCIENCE

✉ dz6hu@virginia.edu

☎ (281) 961-7541

---

**EDUCATION**      University of Virginia, Charlottesville, VA - *B.S. Computer Science* (GPA - 3.9)      Expected Grad. 2020  
CS 2150 Program and Data Rep., APMA 3080 Linear Algebra, CS 2102 Discrete Math

Thomas Jefferson HSST, Alexandria, VA - *Web/Mobile App Development*      Sep 2012 - Jun 2016  
Artificial Intelligence, Web/Mobile App Development, AP Computer Science (5), AP Statistics (5)

---

**WORK**

US Army Corps of Engineers, Alexandria, VA - *Research Scientist Intern*      Jun 2015 - Aug 2015  
Optimized algorithms for the setup and querying computations of a spatial index      Python

TJ Middle School Tech Institute, Fairfax, VA - *Teaching Assistant*      Sep 2014 - Jun 2014  
Taught 120 middle school students app development      App Inventor

Math Tutor, Alexandria, VA - *Volunteer/Tutor*      Feb 2013 - Jun 2016  
Tutored dozens of at-risk middle school students and two high school students on math topics

---

**PROJECTS**

Anacostia National Park App - *Lead Developer*      Jul 2015 - Present  
Creating a geo-narrative audio tour guide app for Android      Java, JSON, XML

The Cavalier Daily - *Developer*      Sep 2016 - Present  
Developing a new website for the Cavalier Daily newspaper      Angular.JS, Django

Moonrise - *Developer*      Sep 2016 - Present  
Building a Unity game with a 40-person team      C#, Unity 3D

Cavalier Symphony Orchestra - *Chief Technology Officer, Principal Trumpet*      Sep 2016 - Present  
Improving website and technology usage within the club      JS

Hackathons - *Mentor/Workshop Leader/Participant*      Mar 2014 - Aug 2016  
Participated in 6 hackathons (1 by invite) and mentored at 2 others      Java, JS, Node.JS, PHP

Music - *Trumpet Player/Quartermaster/Chief Tech Officer/First Chair/Volunteer*      Oct 2007 - Present  
Participated and led in national-level concert bands, marching bands, and orchestras      JS, PHP

Rubik's Cube Club - *Lead Developer/Co-President*      Nov 2015 - Jun 2016  
Developed my high school Rubik's Cube club website for usage by club members      JS, PHP  
As part of the club team, I achieved the national record for the Rubik's Cube team solve

Resume Web Page - *Lead Developer*      Jan 2016 - Present  
Created an aesthetic web page to do display my resume and portfolio      JS, PHP

---

**TECHNICAL SKILLS**

**Programming Languages**  
Java - Python - C++ - Javascript - Node.JS - Angular.JS - PHP - C# - HTML/CSS - JSON - XML

**Specialized Software**  
Git Bash - Linux - Unity 3D - Blender - GIMP - Android Studio

---

Github  
[www.github.com/Snowyblack58](https://www.github.com/Snowyblack58)

Linkedin  
[www.linkedin.com/in/davidzhao058](https://www.linkedin.com/in/davidzhao058)

Portfolio  
[snowyblack58.github.com/Resume](https://snowyblack58.github.com/Resume)