

DAVID ZHAO

✉ dz6hu@virginia.edu

COMPUTER SCIENCE

☎ (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 **Natural Language Processing Research - *Student*** February 2017 - Present
Exploring NLP and deep learning under Professor Kai-Wei Chang Python

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

Hackathons - *Organizer/Mentor/Workshop Leader/Participant* Mar 2014 - Present
Organizing Hack.UVA 2017, participated 7 hackathons, mentored 2 others Java, JS, Node.JS, PHP

Anacostia National Park App - *Lead Developer* Jul 2015 - Jul 2016
Created a geo-narrative audio tour guide app for Android Java, JSON, XML

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 - PHP - C# - HTML/CSS - JSON - XML

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

Github
www.github.com/davidbzhao

Linkedin
www.linkedin.com/in/davidbzhao

Portfolio
davidbzhao.github.com/Resume