

DAVID ZHAO

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COMPUTER SCIENCE

☎ (281) 961-7541

EDUCATION

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

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

Innovative Defense Technologies, Arlington, VA - *Software Engineer Intern* **May 2017 - Present**
Implemented new front-end features under a professional workflow environment Python

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 Workshop - *Student* **February 2017 - Present**
Exploring NLP and deep learning 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 - *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 - *Developer/Co-President* **Nov 2015 - Jun 2016**
Developed 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 - *Developer* **Jan 2016 - Present**
Created an aesthetic web page to display my resume and portfolio JS, PHP

TECHNICAL SKILLS

Programming Languages
Python - Javascript - C++ - Java - Typescript - JQuery - HTML/CSS - JSON - XML - PHP - C#

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

Github

www.github.com/davidbzhao

Linkedin

www.linkedin.com/in/davidbzhao

Website

davidzhao.me/Resume