

# DAVID ZHAO

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## COMPUTER SCIENCE

☎ (281) 961-7541

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**EDUCATION**      University of Virginia, Charlottesville, VA - *B.S. Computer Science* (GPA - 3.9) Aug 2016 - May 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)

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**WORK**      Innovative Defense Technologies, Arlington, VA - *Software Engineer Intern*      May 2017 - Present  
Implemented new features such as a chat tool and fixed bugs      Typescript, JS, Java, Postgres

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

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**PROJECTS**      Natural Language Processing Research Workshop - *Student*      February 2017 - Present  
Exploring NLP and deep learning, as well, delving into machine learning on my own      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 8 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

Personal Web Page - *Developer*      Jan 2016 - Present  
Created an aesthetic resume and daily logs page to explore      JS

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

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

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

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

Website  
[davidzhao.me/Resume](https://davidzhao.me/Resume)