DAVID ZHAO

COMPUTER SCIENCE

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EDUCATION

University of Virginia, Charlottesville, VA - *B.S. Computer Science* (GPA - 3.9) Aug 2016 - May 2020
Spr'17 > Program & Data Rep., Linear Algebra | Fall'17 > Machine Learning, Comp Arch, Theory of Comp

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
Developed chat tool internal to web app, fixed bugs, learned JS libraries 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 basic 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 Group, *Student* February 2017 - Present
Exploring NLP and deep learning and delving into machine learning on my own Python

Hackathons, *Treasurer, Organizer, Mentor, Participant* Mar 2014 - Present
Organized Hack.UVA '17 and '18, participated in 8 hackathons, mentored 2 Java, JS, Node, PHP

Basic Recurrent Neural Network, *Developer* Jul 2017
Created a basic RNN that generated text in the prose of the training text Python

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

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

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

Rubik's Cube Club, *Developer/Co-President* Nov 2015 - Jun 2016
Developed high school Rubik's Cube club website JS, PHP

TECHNICAL SKILLS

Programming Languages
Python - Javascript - C++ - Java - Typescript - Bash - PHP - C# - HTML/CSS

Software and Tools
Git Bash - Linux - VS Code - Powershell - Android Studio - GIMP - Blender - Unity 3D

Github
www.github.com/davidbzhao

Linkedin
www.linkedin.com/in/davidbzhao

Website
davidzhao.me/Resume

More information @ davidzhao.me/Resume