William Zhang
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https://wzhang.me

Resume

Academics:

Thomas Jefferson High School for Science and Technology, Alexandria, VA (2014 – Present)

- Accelerated Computer Science (Python)
- APCS (Java)
- Currently taking Analog Electronics and Parallel Computing (C)
- Currently studying systems administration and networking

Experience:

Volunteer at Rocky Run Middle School, Chantilly, VA

- Rocky Run Middle School Tech Padawans (2013): Promoted the BYOD movement, provided technical support, and presented ideas on the applications of technology in schools to teachers and administrators

Volunteer at Thomas Jefferson High School for Science and Technology, Alexandria, VA

- Computer Tech Assistants (2014 – Present): Maintain school technology; identifying and either fixing or reporting problems
- Junior Student Systems Administrator (2015 – Present): Help maintain and manage the TJCSL (Computer Systems Lab)

Volunteer at Reboot for Youth (2014 – Present): Refurbish and repair computers to be donated to the needy

Volunteer at Project CODEt Day 2016: Tutored and taught kids to program in Python and Java

Volunteer at firsthack 2016: Helped elementary and middle school students build web projects

Volunteer at Techstravaganza 2016: Ran a booth to teach the basics of computer hardware

Projects:

- **TJCSL TVMonitor**
  HTML5 web app designed to be displayed on the 75" TV above the admin pit in the TJ Computer Systems Lab
- **TJShares Concept**
  A design concept to replace the old https://shares.tjhsst.edu/ website
- **Java Order-2 Markov Chains / C++ Order-2 Markov Chains**
  Java and C++ program to generate Markov chains with a specified source file and chain length
- **Twitter Location**
  C++ code that pulls information from the Twitter API to help guess or identify a user's location
- **Covalence**
  JavaScript/jQuery + PHP + Python app made at HackTJ 2016 that shares music or photos from a specified local directory on the server and organizes it on a Web UI
- **TJSlackbot**
  Node.js Slack bot intended for TJ-related clubs

Skills:

HTML	CSS	JavaScript	jQuery
Node.js	Java	C++	Python
Flask	Nginx	Bash	Linux
BSD	Computer Hardware	IT Support	Photography