William Zhang
willzhang05@gmail.com
GitHub: @willzhang05

Academics:

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

- Accelerated Computer Science (Python)
- APCS (Java)
- Analog/Digital Electronics
- Parallel Computing (C)
- Currently studying networking and Rust

Experience:

Student Systems Administrator at Thomas Jefferson High School for Science and Technology, Alexandria, VA (2015 – Present):

- Maintain and manage the Linux systems in the TJCSL (Computer Systems Lab)
- Led the design and deployment of new workstation management with Ansible
- Assisted in completely restructuring virtualization infrastructure

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

- Computer Tech Assistants (2014 – 2016): Maintained school technology; identified and either fixed or reported problems
- German Honor Society Webmaster and Photographer (2016 – Present): Led the complete redesign of the TJ GHS website and worked on an interface for authoring announcements and approving service hours, as well as editing and publishing photos from various events
- Pc(Re)builders Officer (2016 – 2017): Helped teach students about computer hardware and refurbished computers to be donated through Virginia Star
- Student Government Executive Committee Technology Specialist (2017 – Present): Redesigning website and coordinating with officers to fulfill technology-related goals of the organization
- Volunteer at Reboot for Youth (2014 – Present): Refurbish and repair computers to be donated to needy students and their families

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 and 2017: Ran booths 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
- **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

Accolades:

- 1st out of 56 teams in preliminary RUSecure CTF 2016 cybersecurity competition
- 1st place regional silver division Cyberpatriots 2017
- 99th percentile score on the 2017 National German Exam

Skills:

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

A markdown version is available at https://goo.gl/Q4aWuJ