

JENNINGS ZHANG

EDUCATION **THOMAS SPRIGG WOOTTON HIGH SCHOOL** – expected year of graduation: 2018
Cumulative unweighted GPA: 3.57. Weighted (out of 5): 4.36
Math: AP BC Calculus, Multi-variable calculus (current)
Sciences: Honors Chemistry, AP Chemistry (current), Honors Physics, AP Biology, Anatomy and Physiology (current)
Social Studies: AP Government and Politics, AP Micro/Macroeconomics
Computer LAN Management – Network Engineering
Advanced Programming 3 (above AP level computer science) - Algorithmic analysis, advanced data structures, multi-threading, networks programming, systems programming.

ADDITIONAL EDUCATION **EDX MASSIVE OPEN ONLINE COURSES (MOOC)**
MIT LaunchX: Becoming an Entrepreneur
Microsoft: DAT208x Introduction to Python for Data Science. (numpy, matplotlib, pandas)
UNIVERSITY OF MARYLAND: DEPARTMENT OF FIRE PROTECTION ENGINEERING
Introduction to Math and Physics through Fire Dynamics

EXPERIENCE **FOOD AND DRUG ADMINISTRATION AIMHI INCUBATOR PROGRAM** (Summer 2016)
Product Manager
Spent a month in a mock start-up environment. We designed a mobile medical Android application using the agile software development process and entrepreneurial strategies.
SHADOW (INTERN) AT THE JOHNS HOPKINS HOSPITAL (Summer 2017)
Department of Neurology, outpatient clinic. Shadow and assistant of [Dr. Daniel B. Drachman](#) and [Dr. Andrea M. Corse](#), both of whom specialize in treating neuromuscular disease.

HIGH SCHOOL EXTRA-CIRRICULARS **DEBATE TEAM** (2014-2017) – monthly public forum (PF) debates on controversial current events. Focus on extensive research and effective oral rhetoric.
School Musical Orchestra Pit (2014-2015)
Future Doctors of America (2016-present)
LINUX SYSTEMS (2017-2018)
Founder: club organization, research, website design, system administration
After-school club that teaches students about open source systems and software. Our current focus is on penetration testing with Kali Linux.
<https://jennydaman.github.io/twlinux/>

TECHNICAL SKILLS **JAVA** – object oriented programming, multi-threading, basic networking, basic use of Android API
GNU/LINUX – use of POSIX shells, system configuration and debugging on Arch, Fedora, and Ubuntu
GIT & GITHUB – source version control
LATEX – professional document composition
WEB DEVELOPMENT – HTML5, CSS3, and EMCA JavaScript, basic node.js

RESEARCH AWARD **2015 REGIONAL SIEMENS MATH AND SCIENCE COMPETITION SEMIFINALIST** – computational research about resolving environmental issues such as air pollution through applications of nano-materials science and solid-state physics.