

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 (5), Multi-variable calculus (in progress)
Sciences: H. Physics, AP Chemistry (in progress), AP Biology (5), Anatomy and Physiology (in progress)
Social Studies: AP Government and Politics (5), AP Micro/Macroeconomics (5, 5)
Technology: Computer LAN Management – CISCO Network Engineering (in progress)
Advanced Programming 3 - Algorithmic analysis, advanced data structures, multi-threading, networks programming, C programming.

ADDITIONAL EDUCATION **EDX MASSIVE OPEN ONLINE COURSES (MOOC)**
MIT LaunchX: Becoming an Entrepreneur (Aug 2016)
Microsoft: DAT208x Introduction to Python for Data Science
numpy, matplotlib, pandas (Mar 2017)
UNIVERSITY OF MARYLAND: DEPARTMENT OF FIRE PROTECTION ENGINEERING
Introduction to Math and Physics through Fire Dynamics (Sep-Dec 2016)
MONTGOMERY COLLEGE: CMSC 260 – COMPUTER SECURITY
CompTIA Security+ | Dual Enrollment Fall 2017 semester (Fall 2017)

EXPERIENCE **FOOD AND DRUG ADMINISTRATION AIMHI INCUBATOR PROGRAM** (Summer 2016)
Product Manager
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 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 (2016-2018)
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, concurrent programming
GNU/LINUX – POSIX shells, system administration on Arch, Fedora, and Ubuntu
GIT & GITHUB – source version control
LaTeX – professional document composition
WEB DEVELOPMENT – HTML5, CSS3, and EMCA JavaScript

RESEARCH AWARD **2015 REGIONAL SIEMENS MATH AND SCIENCE COMPETITION SEMIFINALIST** – using the density functional theory to discover theoretical applications of nanotechnology to reducing air pollution.