

## 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 Physics, AP Chemistry (current), AP Biology, Anatomy and Physiology (current)  
**Social Studies:** AP Government and Politics, AP Micro/Macroeconomics  
**Technology:** Computer LAN Management – CISCO Network Engineering (current)  
**Advanced Programming 3** - Algorithmic analysis, advanced data structures, multi-threading, networks programming, C programming.

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**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)

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**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.

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**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/>

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**TECHNICAL SKILLS** **JAVA** – object oriented programming, concurrent programming  
**GNU/LINUX** – fluency with 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

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**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.