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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 – CISCO Network Engineering (current)

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

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.