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Jennings Zhang

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| 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: Dual Enrolment **CMSC 260 – Computer Security**: CompTIA Security+ (Fall 2017)  **BIOL 210 and BIOL 210L – Microbiology** (Spring 2018) |
| Experience |  | Food and Drug Administration aimHI Incubator Program (Summer 2016) *Product Manager*  Coordinated the development of a mobile medical Android application under the agile software development method in a mock start-up environment. Shadow at the Johns Hopkins Hospital (Summer 2017) Department of Neurology, outpatient clinic. Shadow under [Dr. Daniel B. Drachman](http://www.hopkinsmedicine.org/profiles/results/directory/profile/0003444/daniel-drachman) and [Dr. Andrea M. Corse](http://www.hopkinsmedicine.org/profiles/results/directory/profile/0004851/andrea-corse), both of whom specialize in treating neuromuscular diseases. Assisted doctors with patient care and EMG nerve conduction studies. |
| High School Extra-cirriculars |  | Debate Team (2014-2017) – monthly public forum (PF) debates: research and oral presentation.Linux Systems (2017-2018)*Founder: club leadership, research, website design, system administration*Advanced computer security and penetration testing. [https://twlinux.github.io/](https://twlinux.github.io/%20) |
| Technical Skills |  | Java – object oriented programming, concurrent programmingGNU/Linux – POSIX shells, system administration on Arch, Fedora, and UbuntuGIT & Github– source version controlLaTeX – professional document compositionWeb Development – HTML5, CSS3, ES6 JavaScript |
| Research Award |  | 2015 Regional Siemens Math and Science Competition Semifinalist *Ab initio* density functional theory (DFT) calculations concerning toxic gas remediation by graphene-like monolayers |