

Jennings Zhang

STUDENT. BIOMEDICAL SCIENCES, COMPUTER SECURITY, AND SOFTWARE ENGINEERING

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Education

Thomas S. Wootton High School

Rockville, Maryland

CUMULATIVE UNWEIGHTED GPA: 3.58. WEIGHTED (OUT OF 5): 4.4

Graduation date: May 2018

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| Math | AP BC Calculus (5), Multi-variable calculus and differential equations (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) |
| Programming 3 | Algorithmic analysis, advanced data structures, multi-threading, networks programming, intro to C. |

Additional Education

EDX MASSIVE OPEN ONLINE COURSES (MOOC)

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| Aug 2016 | Becoming an Entrepreneur — Product formulation and market strategy |
| Mar 2017 | DAT208x Introduction to Python for Data Science — numpy, matplotlib, pandas |

MIT LaunchX

Microsoft

UNIVERSITY OF MARYLAND: DEPARTMENT OF FIRE PROTECTION ENGINEERING

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| Fall 2016 | Introduction to Math and Physics through Fire Dynamics |
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MONTGOMERY COLLEGE: DUAL ENROLLMENT

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| Fall 2017 | Computer Security — CompTIA Security+ |
| Spring 2018 | Microbiology — Bacteriology and immunology, lecture + lab (in progress) |

CMSC 260

BIOL 210

Experience

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Food and Drug Administration

PRODUCT MANAGER

Summer 2016

Coordinated the development of a medical Android application under the agile software development method in a mock start-up environment.

The Johns Hopkins Hospital, Outpatient Clinic

Department of Neurology

SHADOW

Summer 2017

Department of Neurology, outpatient clinic. Shadow under Dr. Daniel B. Drachman and Dr. Andrea M. Corse, both of whom specialize in treating neuromuscular diseases. Assisted doctors with patient care and EMG nerve conduction studies.

High School Extracurricular Activities

Debate Team — public forum

2014 - 2017

Competed in monthly "public forum" style debates: research and oral presentation.

Wootton Red Team — Website: <https://twlinux.github.io/>

2017 - 2018

Founder of after-school cyber-security club. Hosted weekly lessons on the topic of Linux software and penetration testing.

Research

Siemens Math and Science Competition

Regional Semifinalist

ENVIRONMENTAL SCIENCE

Summer 2015

Ab initio density functional theory (DFT) calculations concerning toxic gas remediation by graphene-like monolayers.

Technical Skills

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| GNU/Linux | system administration on Arch Linux, Ubuntu, and Fedora |
| Web Stack | HTML5, CSS3, ES6 JavaScript + node.js (jQuery, PreactJS, express server, webpack) |
| Git & Github | source version control |
| Java | object oriented programming and concurrency |
| LaTeX | Document composition |