

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): 4.40

Graduation date: May 2018

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)

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

UNIVERSITY OF MARYLAND: DEPARTMENT OF FIRE PROTECTION ENGINEERING

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

Fall 2017	Computer Security — CompTIA Security+	CMSC 260
Spring 2018	Microbiology — Lab + lecture, focus on bacteriology and immunology (in progress)	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. Hosts 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

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