

Jennings Zhang

BIOMEDICAL SCIENCES · COMPUTER TECHNOLOGY

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Education

McGill University

SCHOOL OF CONTINUING STUDIES

Exchange student doing one semester through Northeastern University's *N.U.in* program.

Montréal, QC
UO

Thomas Sprigg Wootton

HIGH SCHOOL

Rockville, MD
Graduated May 2018

Math AP BC Calculus, AP Statistics, Multi-variable calculus and Differential Equations
Sciences Honors Physics, AP Chemistry, AP Biology, Anatomy and Physiology
Social Studies AP Government and Politics, AP Micro/Macroeconomics
Technology Computer LAN Management – CISCO NetAcad CCNA: Introduction to Networks
Programming 3: algorithm 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
Mar 2017 **DAT208x Introduction to Python for Data Science** — numpy, matplotlib, pandas

MIT LaunchX
Microsoft

MONTGOMERY COLLEGE: DUAL ENROLLMENT

Fall 2017 **Computer Security** — CompTIA Security+
Spring 2018 **Microbiology** — Lab + lecture, topics include bacteriology and immunology

CMSC 260
BIOL 210

Experience

aimHI

PRODUCT MANAGER

Worked on a small team to research mobile solutions for improving treatment of postural orthostatic tachycardia syndrome (POTS).

Food and Drug Administration
Summer 2016

Johns Hopkins Medical Institute

SHADOW

- Clinical experience from observing patient interaction during neurological examination.
- Acted as a scribe for Dr. Daniel B. Drachman as he conducted quantitative dynamometry on patients with myasthenia gravis.

Outpatient Center
Summer 2017, 2018

Open-Source Projects

MIAN

Independently developed and self-hosted full-stack vue.js SPA for displaying ready order numbers on a smartTV.

jennydaman/bujiaohao

Wootton Red Team — 2017 - 2018

High school club, held weekly after-school hands-on lessons on the topic of Linux software and penetration testing.

<https://twlinux.github.io/>

Let's Talk!

Intentionally vulnerable web app to demonstrate beginner-friendly injection vulnerabilities, 9 stars on Github.

twlinux/lets-talk

beautiful-jekyll

Contributed several features to upstream project involving CSS and docker.

daattali/beautiful-jekyll

Mind Matter

An educational Chrome extension built with jQuery (currently rewriting it using preact.)

jennydaman/mindmatter

Research

Siemens Math and Science Competition

ENVIRONMENTAL SCIENCE

- Evaluated the potential relevance of certain monolayer nano-materials such as phosphorene to the field of environmental science.
- Performed *ab initio* density functional theory (DFT) calculations with ABINIT to find the adsorption energies with select toxic gases.

Regional Semifinalist
Summer 2015

Technical Skills

Web Stack Modern front-end technologies including HTML5, CSS3, ES6 JavaScript frameworks and unit testing.

GNU/Linux System administration on Arch Linux, Ubuntu, and Fedora

Java object oriented programming and concurrency