Jeffrey Wong
https://jeffwong.me
Email: jhw263@cornell.edu
Mobile: +1-917-293-2301

EDUCATION

Cornell University Ithaca, NY
Bachelor of Engineering in Computer Science; GPA: 3.2 *Aug. 2016 – May. 2020*

- Relevant Coursework: Artificial Intelligence, Data Structures & Functional Programming, Systems Programming, Discrete Structures, Networks, Engineering Probability & Statistics, OOP & Data Structures, Intro to iOS App Development
- Awards: Dean's List (GPA: 3.62) *Spring 2018*

EXPERIENCE

Lockheed Martin Manassas, VA
Software Engineering Intern *Jun. 2018 – Aug. 2018*

Netsurit Brooklyn, NY
DevOps Engineering Intern *Jun. 2017 – Aug. 2017*

- Utilized remote accessing software (LabTech/ConnectWise Automate) to monitor 80+ servers and 2000+ client workstations for patching and troubleshooting.
- Wrote scripts using proprietary LabTech syntax to automate the assessment of newly-issued tickets, deploy specific protocols and executables, and debug or update machines.
- Resolved proactive and NOC alerts, resulting in over 100 hours of accumulated ticket maintenance.
- Participated in pair programming with other engineers, and assisted daily customer phone support.

Montclare Lab for Protein Engineering Brooklyn, NY
Junior Researcher @ NYU Tandon School of Engineering *Jun. 2014 – Sep. 2014*

- Modified the wild type *Phosphotriesterase* enzyme via bacterial transformation of AF-IQ cells into M3 and S5 mutants in order to combat organophosphates such as nerve agents and pesticides.
- Assessed enzyme kinetics of *Phosphotriesterase* by using SDS-PAGE and enzyme assay methods.
- Measured catalytic efficiency through graph analysis of Lineweaver-Burk plots and Michaelis-Menten curves.
- Applied experimental findings practically towards sarin gas, pesticides, and insecticides.

SKILLS

Languages: OCaml, Java, JavaScript, Python, Bash (& Shell Scripting), C, Swift, HTML, CSS, R
Operating Systems: Windows, Unix (Linux, Ubuntu), Mac OS X
Applications: Git, Logisim, Blackbox/Glassbox/JUnit Testing, Vim, LaTeX, Microsoft Office
Lab Skills: Bacterial Transformation & Induction, Gel Electrophoresis, Cell Isolation, Sonication, Centrifugation, Fast Protein Liquid Chromatography, Dialysis, Enzyme Assays
Extracurriculars: Poseidon Dragon Boat Team, Cornell Varsity Badminton Team (D-I)

PROJECTS

Tetris AI: Simulated Tetris gameplaying bot that uses genetic & greedy algorithms to clear 100+ lines in JavaScript.
Dijkstra Visualization: Visual render of Dijkstra's shortest path algorithm written in Java using heaps.
MIPS Architecture Processor: Fully-pipelined MIPS processor (circuit) with a working ALU, created in Logisim.
Malloc: Implemented C's dynamic memory allocation library (supporting malloc, free, and realloc) using C.
UNO!: Fully functioning card game, UNO!, designed with difficult CPUs (AIs) and a visual GUI, written in OCaml.
Study Pairing App: iOS application that pairs students with tutors to encourage studying (*BigRed//Hacks, 2017).*