**Warren Brodsky**

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**Objective**

An exciting opportunity to leverage my top-notch biomedical and computer engineering skills and experience. My strong leadership, communication and interpersonal skills will make me a good fit on any team, large or small.

**General Certifications & Skills**

* Biomedical Numerical Modeling
* Biomedical Experimentation & Measurements
* Front End/ Back End Development
* Operating System Scripting
* U.S. Security Clearance - Secret
* Microsoft Certified Solutions Associate
* CompTIA Security+
* Certified Ethical Hacking
* Public Speaking
* Leadership
* Communication

**Specific Skills**

* Programming: Python, MATLAB, LabView, Simulink, JavaScript, HTML, CSS, Bash, Go, C++, VBA, Arduino
* Software: Excel, VSCode, Git, MongoDB, Jupyter Notebook, Access, Word, Powerpoint
* Operating Systems: Windows, MacOS, Linux (RedHat, CentOS, Ubuntu, Debian)

**Experience**

**Cybersecurity Engineer, NIWC, U.S. Department of Navy**

**Jan 2017 – Present**

* Lead software developer for cybersecurity automation toolset ⁠— saved $35K per audit ($200K annual)
* Information assurance lead (5-person team) for U.S. Coast Guard Offshore Patrol Cutter program
* Technical expert for U.S. Army National Guard ⁠— trained site personnel for Command Cyber Readiness Inspections, bringing 89% of sites from failing to passing score

**Research Intern, Biomet, Inc.**

**July – August 2012**

* Worked with the research and development team, collecting and analyzing clinical data, among other tasks.

**Education**

**B.S., Rutgers University**

**May 2016**

* Biomedical Engineering, Computer Engineering (Double Major)
* Honors Engineering Program

**Technion Israel Institute of Technology**

**July 2015**

* International Studies Program

**Sample of Relevant Courses**

* Bioelectric Systems
* Intro to Prosthetics
* Fundamentals of Neurobiology
* Biomaterials
* Cytomechanics
* Physiology
* Biomedical Transport Phenomena
* Biomedical Kinetics & Thermodynamics
* Biomedical Measurements & Analysis
* Biomedical Devices and Systems
* Numerical Modeling
* Software Engineering
* Programming Methodology I-II
* Linear Systems & Signals
* Linear Algebra
* Calculus I-IV
* Physics I-III
* Chemistry I-II
* Biology I-II

**Projects & Achievements**

* Eagle Scout, Boy Scout Merit Badge Counselor
* U.S. Department of Navy Liaison to Rutgers University Cybersecurity Program Advisory Board
* 90Percent – Confidence Interval Self Evaluation Game
* COVID-19 S-I-R Model
* GAZER Bionic Eye
* AP Statistics & Probability: 5, AP Calculus AB: 5
* Math SAT: 800, Reading SAT: 700, Math II SAT II: 770, Physics SAT II: 770

**Hobbies and Interests**

* Skiing
* Volleyball
* Football
* Rock Climbing
* Hiking
* Camping
* Piano
* Ukulele
* Bass Guitar
* Chiptune
* Board Games

**References**

Can be provided upon request.