Peter **Cunha**

✉ peter@alumni.purdue.edu | 📱 (310) 818-1425 | 📍 Los Angeles, CA

Education

Purdue University   *West Lafayette, IN*
BS IN COMPUTER SCIENCE   *2016 – 2020*
GPA: 3.2

Work Experience

Northrop Grumman   *Space Park, CA*
SOFTWARE ENGINEER   *2015 – 2020*
- Worked on the Kestrel Ground Systems team to built a fully featured web dashboard for visualizing live mission data. Live satellite telemetry graphs, command & control capabilities, and an authentication & user management system. Node.js, MongoDB, D3.js, Angular. (2019)
- Improved on satellite ground system software by adding load balancing, service discovery, and fault tolerance in C++. Built a Web UI for monitoring and controlling satellite ground systems using Node.js and Angular. (2018)
- Worked with a team of talented developers to build a satellite ground system in C++ and Java. Capabilities included decoding RF signals from long-range antennas, translating binary streams into meaningful data, and distributing that data to many systems using ActiveMQ. (2017)
- Developed and maintained an HR software tool for managing incoming and existing employees. Added features, fixed bugs, and wrote documentation. PHP, MySQL, JavaScript. (2016)

BitMitigate   *Los Angeles, CA*
NETWORK SECURITY ENGINEER   *2014 – 2015*
- Built network stress testing tools to simulate real world DDoS attacks. We used this technology to help companies prepare for large-scale cyber threats..

Wintermute Technology   *Torrance, CA*
SOFTWARE ENGINEER (REMOTE)   *2014 – Present*
- Created custom software solutions for our customers. These solutions included cybersecurity tools, fully-featured websites, cloud applications, and custom automation tools. Primarily used MySQL, Java, Go (for backend software) or Node.js, React, and MongoDB (web development).

Skills

Programming Languages: Java, C++, Javascript, Go, Python, Angular, React, Node.js, HTML, CSS
Technologies: Docker, Apache, Nginx, Jenkins, MySQL, MongoDB, Elasticsearch
Cloud: Amazon Web Services, Google Cloud Platform, Digital Ocean
Other: Agile, CI/CD, Design Patterns, Git

Links

Github
MY OPEN SOURCE PROJECTS   *https://github.com/petercunha*

Leetcode
MY COMPETETIVE PROGRAMMING PROFILE   *https://leetcode.com/sunlit*

Personal Website
MY PERSONAL WEBSITE WITH MORE INFO ABOUT ME   *https://petercunha.com*

Achievements

2016	**Cyberpatriot National Finalist**, Team ranked 6th place in the nation for Cyberpatriot, a national cyber defense competition.	*U.S. Air Force*
2018	**Amazon.com Security Researcher**, Discovered a serious vulnerability in Amazon.com's web interface, allowing for the account theft of anyone who clicked on a malicious link.	*Amazon.com, Inc.*
2016	**Cryptography Certification**, Completed Stanford University's online Cryptography program through Coursera.	*Stanford University*