

PETER CUNHA

Los Angeles, CA · peter@alumni.purdue.edu · (310) 818-1425

EDUCATION

Purdue University West Lafayette, IN
BS Computer Science *GPA: 3.2* 2016 - 2020

WORK EXPERIENCE

Northrop Grumman Space Park, CA
Software Engineer 2015 | 2019

- Worked on the Kestrel Ground Systems team to build 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, PHP, 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 <https://github.com/petercunha>
My open source projects

Leetcode <https://leetcode.com/sunlit>
My competitive programming profile

Personal Website <https://petercunha.com>
My personal website with more info about me

ACHIEVEMENTS

Cyberpatriot National Finalist U.S. Air Force
Team ranked 6th place in the nation for Cyberpatriot, a national cyber defense competition.

Amazon.com Security Researcher Amazon.com, Inc.
Discovered a serious vulnerability in Amazon.com's web interface, allowing for the account theft of anyone who clicked on a malicious link.

Cryptography Certification Stanford University
Completed Stanford University's online Cryptography program through Coursera.