

PETER CUNHA

Los Angeles, CA · peter@alumni.purdue.edu

EDUCATION

Purdue University West Lafayette, IN
Bachelor of Science in Computer Science 2016 - 2021

WORK EXPERIENCE

AT&T El Segundo, CA
Software Engineer 2019 - 2020

- Developed backend infrastructure for HBO MAX. Improved application reliability and uptime, created metrics monitoring dashboards, wrote backend code. Go, Kubernetes, Kafka, Prometheus, Grafana

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)

SKILLS

Programming Languages: Java, C++, Javascript, Go, Python, Angular, React, Node.js, PHP, CSS
Technologies: Docker, Kubernetes, Apache, Nginx, Jenkins, PostgreSQL, MongoDB
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. Bug was reported to Amazon so it could be remediated.

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