

# PETER CUNHA

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## EDUCATION

<b>Purdue University</b> BS Computer Science <i>GPA: 3.2</i>	West Lafayette, IN 2016 - 2020
<b>Palos Verdes Peninsula High School</b> <i>GPA: 3.4</i>	Palos Verdes, CA 2012 - 2016

## WORK EXPERIENCE

<b>Northrop Grumman</b> <i>Software Engineer</i>	Space Park, CA 2015   2020
<ul style="list-style-type: none"><li>• Worked on the Kestrel Ground Systems team to build a fully featured web dashboard for visualizing live mission data. Live satellite telemetry graphs, command &amp; control capabilities, and an authentication &amp; user management system. Node.js, MongoDB, D3.js, Angular. (2019)</li><li>• 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)</li><li>• 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)</li><li>• Developed and maintained an HR software tool for managing incoming and existing employees. Added features, fixed bugs, and wrote documentation. PHP, MySQL, JavaScript. (2016)</li></ul>	
<b>BitMitigate</b> <i>Network Security Engineer</i>	Los Angeles, CA 2014   2015
<ul style="list-style-type: none"><li>• Built network stress testing tools to simulate real world DDoS attacks. We used this technology to help companies prepare for large scale cyber attacks.</li></ul>	
<b>Wintermute Technology</b> <i>Software Engineer (Remote)</i>	Torrance, CA 2014   Present
<ul style="list-style-type: none"><li>• 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).</li></ul>	

## 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

<b>Github</b> My open source projects	<a href="https://github.com/petercunha">https://github.com/petercunha</a>
<b>Leetcode</b> My competitive programming profile	<a href="https://leetcode.com/sunlit">https://leetcode.com/sunlit</a>
<b>Personal Website</b> My personal website with more info about me	<a href="https://petercunha.com">https://petercunha.com</a>

## ACHIEVEMENTS

<b>Cyberpatriot National Finalist</b> Team ranked 6th place in the nation for Cyberpatriot, a national cyber defense competition.	U.S. Air Force 2016
<b>Amazon.com Security Researcher</b> 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. 2018
<b>Cryptography Certification</b> Completed Stanford University's online Cryptography program through Coursera.	Stanford University 2016