

Christopher Alves

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Education

George Mason University
BS in Computer Science

Fairfax, VA
Anticipated Graduation: December 2020

Relevant Coursework

Calculus I, II, & III
Data Structures

Object-Oriented Programming
Computer Systems & Programming

Discrete Math, Formal Methods & Models
Intro to Low-Level Programming

Skills

Program Methodologies: Agile, Test Driven Development, Waterfall

Software: Jira, Ansible, Vim, Basic Linux Commands, Git, GNU Debugger, Photoshop.

Programming languages: Python, Java, C, Shell Script, HTML, CSS, JavaScript, JSON, YAML

Work Experience

Northrop Grumman

Technical Cybersecurity Intern

Summer 2019

Melbourne, FL

- Developed a Graphical User Interface program in PyQt5 that scans and tests the security and integrity of code all across the network.
- Automated the configuration of over 100 Red Hat Enterprise Linux environments using Ansible playbooks.
- Mentored 2 other interns in Basic Linux Commands, and Version Control System.

Projects

SimpleStockCalculator .com

July 2019

- Web application developed in JavaScript using the React library. Includes a Profit, Short Position, and Margin Trade Calculator.

Free Donut: Automated Survey Filler

June 2018

- Parses through survey options using Python module Mechanize, a stateful programmatic web browser. Quickly turns Dunkin Donuts receipt into a treat! Past co-workers loved this one.

Mountain: A theme for rEFInd bootloader

March 2018

- A custom configuration file that populates computer EFI Loader with Graphics when selecting between an OS on computer start.

Password Encryption

February 2018

- Command Line Interface menu program developed in C. Encrypts password using a Tabula recta cryptology method.

Achievements

Deloitte: GMU Startup Competition

April 2019

1st place

George Mason University

- Winner of fast-paced innovation challenge to propose a technology-related improvement.
- Designed mock-ups for web-based application to centralize campus information.

Combat Human Trafficking Challenge: Blue Compass

April 2018

Participant

George Mason University

- Exercised computer knowledge to combat human trafficking and assist its victims, using technological solutions like artificial intelligence, augmented reality, etc.