Peter Murphy

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💼 WORK EXPERIENCE

Coach 12/2018 - present
Major League Hacking *North America*

- Empower hackers to create technical solutions via mentorship on topics ranging from general debugging to higher-level app development
- Provide preliminary and on-site assistance to organizers by communicating my experience and advice regarding team leadership, resource management, and increasing community engagement
- Demonstrate MLH's standard of excellence at events hosting 200 - 1,500 participants whether that means #TakingOutTheTrash or resolving conflicts
- Promote inclusivity by engaging participants of all skill levels
- Represent MLH's partners' brands by providing tips about their services including: Capital One, Google Cloud, GitHub

Coach Lead 04/2020 - 10/2020
Major League Hacking *North America*

- Host 1:1 calls with other Coaches to strengthen MLH's internal support network, strategize for future endeavors, and answer questions about MLH

Part-time Software Engineer 06/2019 - 01/2021
Decipher Technology Studios *Alexandria, VA*

- Contributed to an AutoEncoder-based Log Anomaly Detection service control system
- Contributed to the product's backend control-plane features, extending Envoy's service mesh API
- Researched reinforcement learning techniques for the Grey Matter Sense team, developing methods of policy stabilization and sequence to sequence encoding

Policy Intern 06/2020 - 08/2020
DCLRS *Washington, D.C.*

- Attended Congressional hearings and virtual conferences to report on agricultural, business, and healthcare interests
- Wrote memos highlighting research findings and legislative efforts pertaining to clients' interests

🎓 EDUCATION

B.S. in Computer Science
Virginia Tech, College of Engineering 2018 - 2021

Pursuing a minor in Philosophy, Politics, and Economics

🏅 HONORS & AWARDS

Eagle Scout 07/2015
Boy Scouts of America

Earned the Bronze, Gold, and Silver Palms in addition to the highest rank of Eagle

Valedictorian 06/2018
Bishop Ireton Class of 2020

MLH 2020 Top 50 Hacker 🔗 02/2020
Major League Hacking

Selected from over 100,000 global hackers to share my story for Major League Hacking's Top 50 Hackers of 2020 list

👥 LEADERSHIP

VTHacks 2019 - present
Director, Co-Director

Helped plan and execute Virginia Tech's 6-8th annual hackathons

Virginia Tech Honor System 2018 - present
Student Panel Member

Participate in student-run hearings for honor violations

Coding Club 2015 - 2018
Founder, President, Team Captain

Planned, fundraised for, and co-directed Bishop Ireton's first hackathon

Bishop Ireton Honor Council 2017 - 2018
Executive Chairman, Vice Chairman

Oversaw all hearings for students reported for honor violations

Boy Scouts, Troop 680 2015 - 2016
Senior Patrol Leader

Planned and led meetings for troop of 50 scouts for one year

⚒ SKILLS

⛬ Tech Stack

	experience / proficiency
Java	●●●●●○
Linux (Ubuntu, CentOS)	●●●●●○
Python, pandas, Selenium, PyTorch	●●●●●○
C	●●●●○○
JavaScript, HTML & CSS	●●●●○○
AWS, Google Cloud, k8s, Docker, Helm	●●●●○○
Go	●●○○○○
React	●●○○○○

👥 Non-Tech Stack

Planning, Organization	●●●●●
Writing	●●●●○
Public speaking	●●●●○

🎨 Graphic Design

Adobe Photoshop	●●●●●○
Blender	●●●○○○
Adobe InDesign	●●●○○○
Adobe Illustrator	●●●●○○
Adobe Premiere	●●○○○○

📁 PROJECTS

PyTorch Basics 🔗   01/2020
- A sandbox repository for implementing state of the art Reinforcement Learning algorithms
- This repo was stood-up with the help of some colleagues and is intended to be as straightforward as possible with respect to the tools and algorithms used by the Decipher Sense team

5-4 Podcast Website 🔗   08/2020
- Designed and maintain the website for the 5-4 legal podcast

Personal Website 🔗   02/2020
- Built a portfolio website to showcase projects, designs, and events I am involved in using gatsby.js

AECOM Call Tracker 🔗   01/2020
- Built a webscraping utility website used at an AECOM hurricane relief call center in Ponce, Puerto Rico
- The application uses Python, Flask, and Selenium to pull records for a given time range from a 3rd party website and displays them on a web page deployed to an EC2 instance for easy analysis of the call center's productivity that day

DCLRS Brochure 🔗   07/2020
- Used InDesign to redesign the biographical brochure showcasing the executive staff of DCLRS as well as the firm's services

Grey Matter Installation 🔗   07/2019
- A Katacoda scenario documenting the (deprecated) installation process for Grey Matter
- The scenario guides the user through the process of setting up a Kubernetes cluster, installing helm and some associated dependencies, as well as Grey Matter itself

Calligula's Compendium 🔗   07/2020
- A Discord bot that serves as an interface for a collection of Dungeons & Dragons APIs and manually curated datasets about various skills, classes, spells, items, etc. to streamline digital play
- Built with Discord.py along with some of my friends