



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 - present
Decipher Technology Studios Alexandria, VA

- Contribute to an AutoEncoder-based Log Anomaly Detection service control system
- Contribute to the product's backend control-plane features, extending Envoy's service mesh API
- Research 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

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