



# Peter Murphy



 [murphyone.github.io](https://github.com/murphyone)  
 [petersmurphy7@gmail.com](mailto:petersmurphy7@gmail.com)

## 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, Mongo

**Coach Lead** 04/2020 - present  
**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 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 stabilizing policy improvement for automated service scaling
- Contribute to an AutoEncoder-based Log Anomaly Detection service control system

**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** 2018 - 2021

Pursuing a minor in Philosophy, Politics, and Economics

**Bishop Ireton High School** 2014 - 2018

## 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 - 2020  
**Director, Co-Director**

Helped plan and execute Virginia Tech's 6-8<sup>th</sup> annual hackathons

**Coding Club** 2015 - 2020  
**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

**Virginia Tech Honor System** 2018 - present  
**Student Panel Member**

Participate in student-run hearings for honor violations

**Senior Patrol Leader** 2015 - 2016  
**Boy Scouts, Troop 680**

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

## SKILLS

### Tech Stack

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

### 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 workflow used by the Decipher Sense team

### 5-4 Podcast Website 08/2020

- Designed and maintain the website for the 5-4 legal podcast
- Purchased the domain, made the website, then messaged the hosts, subsequently hired as their webdev

### Personal Website 02/2020

- Built a portfolio website for projects, designs, and events I'm 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

### Résumé 09/2020

- Typeset this resume in Adobe InDesign