



# Peter Murphy



Peter Murphy   
murphypone.github.io 

## WORK EXPERIENCE

**Coach** 12/2018 – present  
Major League Hacking

- Provide preliminary and on-site assistance to hackathon organizers by communicating my experience and advice regarding leadership skills in their team, managing resources, and increasing participation in their community
- Demonstrate MLH's standard of excellence at events hosting 200 - 1,000 participants whether that means #TakingOutTheTrash or resolving conflicts
- Promote inclusivity in the community by engaging participants of all skill levels
- Represent the brands of MLH's partners by providing tips about their services including: Capital One, Bloomberg, Snapchat
- Empower hackers to create solutions through technology by serving as a mentor on topics ranging from general debugging to higher level application development

**Coach Lead** 04/2020 – present  
Major League Hacking

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

**Software Intern, Part Time** 06/2019 – present  
**Data Science Researcher**  
Decipher Technology Studios, Alexandria, Virginia

- Document the Grey Matter industrial cloud service mesh CLI
- Research reinforcement learning techniques for the Grey Matter Sense R&D team developing methods of stabilizing policy improvement for backend microservice optimization

**Tech Camp Counselor** 06/2017 – 09/2017  
Renaissance Child Project, Alexandria, Virginia

- Instructed elementary school children in areas of programming, animation, and PC building
- Ensured a safe and fun environment for children to explore subjects outside of the classroom

## 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 2018

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

<https://top.mlh.io/2020/profiles/peter-murphy>

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

## LEADERSHIP

**Boy Scouts:** Senior Patrol Leader

- Planned and led meetings for a troop of 50 Scouts for a year

**Coding Club:** Founder, President, Team Captain

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

**VTHacks:** Co-director

- Help organize Virginia Tech's annual hackathon

**Bishop Ireton Honor Council:** Executive Chairman

- Oversaw all hearings for students reported for honor violations

**Virginia Tech Honor System:** Panel Member

- Participate in around 10 hearings per semester for students reported for honor violations

## EDUCATION

**Computer Science** 07/2018 – 12/2021  
Virginia Tech, Blacksburg, Virginia

Pursuing a minor in Philosophy, Political Science, and Economics

07/2014 – 05/2018  
Bishop Ireton High School, Alexandria, Virginia

## SKILLS

### Computer Programming

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

### Communication

Planning, Organization	●●●●●
Writing	●●●●○
Public Speaking	●●●○○

### Graphic Design

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

## PROJECTS

**AECOM Call Tracker** 01/2020  
[github.com/MurphyPone/AECOM-CallTracker](https://github.com/MurphyPone/AECOM-CallTracker)

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

**PyTorch Basics** 01/2020  
[github.com/MurphyPone/PyTorch-basics](https://github.com/MurphyPone/PyTorch-basics)

- A sandbox repository for implementing leading 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

**Greymatter Installation** 07/2019  
[katacoda.com/decipher/scenarios/install-kubernetes](https://katacoda.com/decipher/scenarios/install-kubernetes)

- A Katacoda scenario documenting the (deprecated) installation process for Greymatter
- The scenario guides the user through the process of setting up a Kubernetes cluster, installing helm and some associated dependencies, as well as the Greymatter product itself