Lucas Hawk

LBHawk515@gmail.com | (703)939-4144
Portfolio: LBHawk.github.io

Summary

- A recent college graduate with a strong mathematical background and understanding of object-oriented programming principles and data structures
- Experience with Java, Python, C# and with software development tools such as Git, Gradle, and Eclipse
- Strong communication skills, ability to learn quickly, and love of programming

Education

Bachelor of Science: Double major in Computer Science and Mathematics — GPA: 3.0/4.0
Allegheny College, Meadville, PA — May 2017
Minor: Economics
Computer Science Thesis: *"Intelligent Monte-Carlo Tree Search for Perfect Information Games"*
Mathematics Thesis: *"A Classification of Chaos for Linear Fractional Transformations of the Backward Shift on l^p"*

Software and Programming Skills

Proficient with:	Java, R, Git, Linux, Eclipse, Unity3D
Some experience with:	C#, Python, Gradle, OpenStack

Relevant Coursework

- Artificial Intelligence
- Multi-Agent and Robotic Systems
- Analysis of Algorithms
- Distributed Systems
- Probability and Statistical Inference I and II
- Multivariate Calculus

Personal Projects and Other Experience

OpenStack, MAAS, and Juju

- Deployed OpenStack to a small computing cluster by leveraging Ubuntu MAAS and Juju deployment orchestration tools

Android mobile development

- Experience using Android Studio, Unity3D, and LibGDX to develop Android applications

Artificial Intelligence and Machine Learning Techniques

- Developed various intelligent game-playing agents which use Monte-Carlo tree search, artificial neural networks, genetic algorithms, and neuro-evolved networks as part of one of my undergraduate theses

Leadership

- 2016 Captain of the Allegheny College Ultimate Frisbee team

Work History

2015-2016 Big Fun 4 All
Moonbounce Technician and Driver
Delivered, setup, and tore down inflatable moon bounces. Primary point of contact for customers.

2013-2015 Northern Virginia Regional Park Authority
Deep Water Lifeguard
Maintained safety and cleanliness of the facility, carrying out emergency procedures when necessary.