Gabriel Ewing

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Education

Case Western Reserve University — Cleveland, OH

Master of Science Degree in Computing and Information Science — August 2015-Present
GPA: 3.80 — Expected: May 2017

Bachelor of Science Degree in Computer Science — August 2011-December 2015
GPA: 3.61

Research

I study the subfield of machine learning called reinforcement learning with Professor Soumya Ray. I focus on using continuous learning techniques to solve simulated control tasks. I run experiments on CentOS servers using Python with scientific computing packages.

Technical Experience

Rocket Software — Austin, TX
Machine Learning Intern — May 2016-August 2016
- Developed models to predict database performance on mainframes

Case Western Reserve University — Cleveland, OH
Teaching Assistant, EECS 391 (Artificial Intelligence) — January 2016-May 2016
Teaching Assistant, EECS 233 (Data Structures) — January 2015-May 2015
- Graded programming and handwritten assignments
- Hosted office hours

Codonics, Inc. — Middleburg Heights, OH
Test Engineering Co-op — January 2014-August 2014
- Wrote AutoIt and Bash test scripts for medical software and devices
- Executed systematized and ad hoc product testing

Technical Skills

Primary Language: Python, with NumPy, SciPy, and Apache Spark
Other Languages: Java, Matlab, Scheme, LaTeX
Tools: GNU/Linux, OS X, Git

Coursework

Discrete Math, Data Structures, Algorithms, Databases, Linear Algebra, Logic Design and Computer Organization, Networks, Software Engineering, Probability, Computer Architecture, Operating Systems, Programming Language Concepts, Artificial Intelligence, Machine Learning, Software Craftsmanship, Advanced Algorithms, Computer Security, Algorithmic Robotics, Deep Learning

Activities

Chess Master (United States Chess Federation National Master)