

Gabriel Ewing

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Education

Case Western Reserve University

Master of Science Degree in Computing and Information Science
GPA: 3.50

Cleveland, OH
August 2015-Present
Expected: December 2016

Bachelor of Science Degree in Computer Science
GPA: 3.61

August 2011-December 2015

Research

I study the subfield of machine learning called reinforcement learning with Professor Soumya Ray. I focus on using policy gradient techniques to solve simulated control tasks. I run experiments on CentOS servers using Python, Java and the RL-Glue interface.

Technical Experience

Codonics, Inc.

Test Engineering Co-op

Middleburg Heights, OH
January 2014-August 2014

- Wrote AutoIt and Bash test scripts for medical software and devices
- Created FDA-compliant test procedures and typeset them in TeX
- Executed systematized and ad hoc product testing

Case Western Reserve University

Teaching Assistant, EECS 233 (Data Structures)

Cleveland, OH
January 2015-May 2015

- Graded programming and handwritten assignments
- Hosted office hours

Technical Skills

Primary Language: Python, with NumPy and SciPy

Other Languages: Java, Matlab, Scheme, C, MIPS, Bash, AutoIt, 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

Activities

Chess: Chess Master (United States Chess Federation National Master)

- World Open Championship, first place under 2200
- US Open Championship, first place under 2000

July 2014
August 2013

Languages: Conversational in Spanish, exposure to Latin