

Gabriel Ewing

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Education

Case Western Reserve University

Master of Science Degree in Computing and Information Science

GPA: 3.75

Cleveland, OH

August 2015-Present

Expected: May 2017

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 continuous learning techniques to solve simulated control tasks. I run experiments on CentOS servers using Python with machine learning and scientific computing packages.

Technical Experience

Case Western Reserve University

Teaching Assistant, EECS 391 (Artificial Intelligence)

Teaching Assistant, EECS 233 (Data Structures)

- Graded programming and handwritten assignments
- Hosted office hours

Cleveland, OH

January 2016-May 2016

January 2015-May 2015

Codonics, Inc.

Test Engineering Co-op

- 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

Middleburg Heights, OH

January 2014-August 2014

Technical Skills

Primary Language: Python, with NumPy and SciPy

Other Languages: Java, Matlab, Scheme, C, MIPS, Bash, AutoIt, L^AT_EX

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