

# Gabriel Ewing

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Cleveland, OH, 44106

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

## 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 391 (Artificial Intelligence)*

Cleveland, OH  
January 2016-May 2016

*Teaching Assistant, EECS 233 (Data Structures)*

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, L<sup>A</sup>T<sub>E</sub>X

*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