

Andrew Matsumoto

PERSONAL DATA

ADDRESS: 3407 E Kachina Dr., Phoenix, AZ 85044
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EDUCATION

Masters of Engineering, Cornell University, Computer Science, Ithaca, NY 2017-2018

GPA: 3.59

KEY COURSES: Parallel Computing, Distributed Computing, Constructive Type Theory, Compilers
Machine Learning for Data Science, Machine Learning for Intelligent Systems

Bachelors of Science, Cornell University, Computer Science, Ithaca, NY 2013-2017

Graduated *cum laude*

GPA: 3.63

KEY COURSES: Analysis of Algorithms, Operating Systems, Functional Programming, Theory of Computing,
Artificial Intelligence, Computer Vision, Discrete Structures, Robotics, Programming Languages and Logic,
Object Oriented Programming

WORK EXPERIENCE

The Boeing Company, Cybersecurity Software Engineering Intern (Summer 2016)

- Analyzed and classified traffic flow packets captured during flights.
- Developed software to find and extract malicious software packets.

Argon ST, Software Engineering Intern (Summer 2015)

- Developed UI for displaying system information for naval fleet.
- Developed software solutions focused on web design and Internet security.
- Worked on team refactoring source code for the tactical operating display.

Cornell University, Teaching Assistant (2015-2016, 2018)

- Object-Oriented Programming and Data Structures (CS 2110)
- Lead recitation teaching students object-oriented programming concepts and applications.
- Created questions for and proctored student exams.

KEY PROJECTS

Cornell University Game Library (2018)

- Designed and implemented behavior tree module to game engine for use in CS 4152 (Advanced Topics in Computer Game Development).

Engineering to Save the World (2018)

- A game application to educate engineers and students on system engineering concepts.
- Developed architecture and UI for mini-games drills.
- Reorganized project and maintained GitHub repository.

APPLICABLE SKILLS

Programming Languages

Proficient: C/C++, Java, Python, C#, OCaml, LaTeX

Familiar: MySQL, MATLAB, Julia, Markdown

Operating Systems:

Proficient: Windows (7,8,10)

Familiar: CentOS

Software:

Proficient: Git, Vim, Visual Studio, Eclipse, NumPy, SciPy

Familiar: OpenMP, MPI, JFlex, JavaCUP, GDB, Valgrind, Unity3D

AWARDS/CERTIFICATES

Dean's List (Spring 2014-Fall 2015, Fall 2016)

John McMullen Dean's Scholar (2013)

National Merit Finalist (2013)