

MARK YOON

mark-yoon.com • github.com/mark-yoon
(201) 895 6176 • mark.youngho.yoon@gmail.com

EDUCATION

Cornell University

B.S. in Computer Science

Aug. 2012 - May 2016

Ithaca, NY

- Relevant coursework: Software Engineering | Operating Systems | Distributed Systems | Algorithms
Object-Oriented/Functional Programming | Artificial Intelligence | Natural Language Processing
- Cumulative GPA: 3.566/Major GPA: 3.734 – Dean's List

EXPERIENCE

Susquehanna International Group

Software Engineer Intern

Summer 2015

Bala Cynwyd, PA

- Designed a data loader system that performs time-sensitive data acquisition, storage, and processing.
- Developed a controller-agent system in Python, making redundancy and user visibility considerations.
- Created test suites and visibility tools for troubleshooting the old data loader.

Yu Lab (Cornell University)

Full-Stack Engineer

Summer 2014 - Spring 2015

Ithaca, NY

- Designed and implemented a web application for protein network and interaction modeling.
- Used various javascript visualization libraries to create interactive 2D and 3D protein interaction models.
- Handled user queries using Python CGI scripts and loaded data from a MySQL database.

Department of Computer Science (Cornell University)

Teaching Assistant

Spring 2014 - Fall 2015

Ithaca, NY

- CS 2110: Object Oriented Programming and Data Structures
- CS 4410/4411: Operating Systems & Practicum
- Answered students' questions at office hours and graded assignments/exams.

PROJECTS

- **Classroom DJ** (2015): Ruby and Rails application that provides assignment submission and grading management for professors and students; built on-top of existing platform for course management.
- **Connect Four** (2015): Python AI and GUI where users can play against bots or watch two bots play each other. Bots are implemented using minimax tree search and several different heuristic functions.
- **Operating System** (2014): UNIX-style OS written in C with scheduling, UDP/TCP networking, ad hoc networking, and file system capabilities.
- **Rhapsodize** (2014): Java-based Android application that detects and notifies users of crutch-word usage in their speech. Uses the CMUSphinx Android package to perform the speech recognition.
- **Atlas Tabs** (2014): Chrome extension built on the MEAN stack that uses the k-NN algorithm to recommend websites based on the user's location and time.

TECHNICAL SKILLS

Proficient

Python, Java, SQL, HTML, CSS

Familiar

C, C++, Javascript, Ruby

Tools & Libraries

Flask, Node.js, Rails, Git, Agile, UML