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EDUCATION

Oberlin College (August 2016 – December 2019)   Oberlin, OH

B.A in Computer Science, minors in Mathematics and Statistical Modelling   Major GPA: 3.73

Relevant Coursework:

Data Structures, Artifical Intelligence, Systems Programming, Machine Learning, Algorithms, Calculus I, Discrete Mathematics, Computer Architecture, Multivariable Calculus (III), Programming Abstractions, and Privacy and Social Networks.

EXPERIENCE

Incoming Machine Learning Research Intern

Massachusetts Institute of Technology Lincoln Laboratory   **May 2018 – August 2018**

- Will spend 12 weeks during the summer at an United States Department of Defense research and development center chartered to apply advanced technology to problems of national security.
- Will be developing software utilizing machine learning for optical sensors.

Undergraduate Researcher

Oberlin College Computer Science Department   **February 2018 – May 2018**

- Conducting self-guided independent research project with a fellow student under the supervision of Professor Adam Eck of the Oberlin College Computer Science department.
- Valuing baseball players through a sabermetric approach paired with machine learning by combining data describing every ball hit during the 2016-17 season of Major League Baseball and predicting the outcome.
- Wrote 400 lines of Python and SQLite3 queries to scrape the Major League Baseball database before passing in refined database through Jupyter into a random decision forest algorithm supplied by scikit-learn.

  GitHub: https://github.com/AndrewYinLi/machine-learning-baseball

Backend Web Developer

Oberlin College Computer Science Department   **December 2017 – February 2018**

- Worked during Oberlin College's interdisciplinary Winter Term program to understand the framework of Oberlin College's third-party course scheduling website: https://oprestissimo.com/
- Developed a prototype to-do list in Ruby on Rails designed to be implemented to the website in order to expedite and smoothen the course registration process.

  GitHub: https://github.com/AndrewYinLi/todolist_app

Computer Science Teaching Assistant

Oberlin College Computer Science Department   **August 2017 – Present**

- Grade weekly labs for "CS 241: Systems Programming".
- Utilize a core understanding of C/C++, shell scripting and utilities (sed, awk, grep), and Unix in order to assist students.

SKILLS

Back-end: Java, C#, C/C++, Python, SQL
Front-end: Ruby on Rails, Javascript, Racket, HTML5, CSS3
Miscellaneous: bash, Unix, Git
Verbal: English (native), Chinese (working proficiency)

LEADERSHIP

Oberlin College Computer Science Majors Committee

Member   **October 2017 – Present**

- Intermediary between computer science majors and the computer science department.
- Help organize and faciliate hackathons and social events for over 100 computer science majors.
- Interviewed 3 candidates to fill vacant assistant professor positions in the computer science department.