

Dylan P. Jackson

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Objective: Summer 2019 Co-op

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

BS IN COMPUTER SCIENCE

2017 - Present | Rochester, NY | Cum. GPA: 3.3

COMPUTER SCIENCE HOUSE : ACTIVE MEMBER

HONORS PROGRAM

AI CLUB : SECRETARY

OUTING CLUB : PUBLIC RELATIONS

SKILLS

PROFICIENT

Python | Java | C

Linux | MacOS

Vim | PyCharm | IntelliJ

Arduino | NLTK | Cinema4D

EXPERIENCED

C++ | HTML | JavaScript | CSS

PROJECTS

K. L. A. M. P. | C/C++

- Designed a program to communicate with an Arduino to dynamically alter the display of a 32x32 LED board to display various logos and texts, both static and animated
- Designed and 3D printed a holster for the board so that it can be mounted onto a desk lamp in place of the lamp head
- Integrated a button so that the display will change based off of input rather than just run automatically

24-HOUR-POWER | C/C++

- Designed a program to communicate with an Arduino to shift along an array of 24 colors, and display one for each hour of the day onto an LED strip
- The current color flows throughout the strip, fading to and from black on a loop as to mimic water
- Every hour, the current color slowly shifts into the new color

NATURAL LANGUAGE PROCESSING DEMOS | PYTHON

- Wrote various programs to perform basic implementations of complex NLP concepts, such as Tokenizing, Stemming, Named Entities, Stopwords, and others
- The goal of these is to become familiar with NLP standards in order to implement them with Machine Learning

EXPERIENCE

ROCHESTER INSTITUTE OF TECHNOLOGY | SI LEADER

August 2018 - Present | Rochester, NY

- Work with students in the Python based Computer Science I Course to approach the content in a more practical sense, improving their comfortability with the language and course
- Refining understanding of Python because of responsibility to explain concepts to other students
- Develop two one hour weekly study sessions where students go over practice problems and discuss concepts in Python

ROCHESTER INSTITUTE OF TECHNOLOGY | NEW STUDENT ORIENTATION LEADER

August 2018 | Rochester, NY

- Lead a group of New Students and introduced them into the RIT community, leading them through various icebreakers, social and academic activities
- Developed strong leadership, communication, and team building skills