Jong Lee

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Github
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Programming
C
C++
Python
Javascript
Assembler (basics)

Tools & Frameworks
HTML & CSS
Unix/Linux
GDB
Shell script
MongoDB
node.js
express.js
Jquery
Matlab
Mathematica

Languages
Korean

Education

2016 - 2020 **Bachelor of Science in Computer Science** — Tufts University
- **GPA: 3.9**

Relevant Coursework

Intro to Computer Science, Data Structures, Web Programming,
Discrete Math, Machine Structure and Programming, Game Design
Spring 2018: Algorithms, Computer System Security

Experience

09/17-Now **Research Technology Intern** — Tufts Technology Services
- Create and improve web application templates and forms
- Organize data on LabArchives, an electronic lab notebook used by researchers, and develop widgets to provide better interface
- Support/troubleshooting on issues via phone, remotely, or onsite
- Migrate templates and forms from one solution to another

07/15-05/16 **Biomedical Engineering Intern** — New Jersey Institute of Technology
- Coded in Matlab to improve toolboxes like Statistical Parametric Mapping, and Group ICA of fMRI toolbox
- Submitted a research abstract to the Northeast Bioengineering Conference and competed in the undergraduate design competition

Projects

10/2017 **Arith** — C
- Created a program that can compress and decompress jpg images
- Learned bit extraction, machine arithmetic, and endianness

09/2017 **Simlines** — C
- Created a program that takes in any number of files, and outputs instances where two or more lines are similar
- Implemented a hash table where the key was the line itself and the value was the line info
- Learned to use other people's interfaces and link them into my own program to increase efficiency in run time and space usage

04/2017 **Gerp** — C++
- Created a program like the Unix command grep using a trie as the main data structure
- Implemented a breadth first search algorithm to traverse through all the files
- Developed skills to distinguish which algorithms and data structures are most efficient for run time and space requirements

03/2017 **Alternative Facts** — Javascript
- Created a game similar to 2 truths 1 lie
- Created using node.js, MongoDB, and Heroku
- Developed basic skills in front-end and back-end developing