Jong Lee

www.jonghoonlee.com

Email
jong.lee@tufts.edu

Github
jonghoonlee98

Programming
C
C++
Python
Javascript

Skills
HTML & CSS
Jquery
MongoDB
express.js & node.js
Matlab
Mathematica

Languages
Korean

Education

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

Relevant Coursework

Intro Computer Science, Data Structures, Web Programming, Machine Structure and Programming, Game Design

Experience

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

07/15-05/16 — **Biomedical Engineering Intern** — New Jersey Institute of Technology
• Coded in Matlab and used 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

07/17-08/17 — **Independent Contractor** — Varsity Tutors
• Teach SAT Math to high school students online and in person
• Develop communication skills

Projects

04/2017 — **Gerp** — C++
• A program like the Unix command grep. Made using a trie (for efficient running time and space) as the main data structure
• A breadth first search algorithm was used to traverse through all the files
• Each value in the trie was a struct containing a char and a list of the filepaths and line number where the word can be found

09/2017 — **Simlines** — C
• A program that takes in any number of files, and outputs instances where two or more lines are similar
• Each line read in from the files was placed in a hash table where the key was the line itself and the value was a list of struct containing the line info
• The key was Dave Hanson's implementation of an atom, which is a pointer to a unique, constant sequence bytes so that checking for collision was efficient

03/2017 — **Alternative Facts** — Javascript
• A game where players receive 3 facts, where 2 are true and 1 false. Players identify the false fact
• Made using node.js, MongoDB, and Heroku as the platform