

Email

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Github

[jonghoonlee98](https://github.com/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**
• GPA: 3.9

[Tufts University](#)

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