

## Address

328 Broad Ave 2FL  
Leonia, NJ 07605

## Telephone

(201)-820-8644

## Email

jong.lee@tufts.edu

## Education

Tufts University

Bachelor of Science in Computer Science

• GPA: 3.74

Graduation: May 2020

## Relevant Coursework

Algorithms, Data Structures, Computer System Security, Machine Structure and Programming, Web Programming, Discrete Math, Game Design

Fall 2018 Courses: Software Engineering, Programming Languages

## Experience

### Programming

C++

C

Javascript

Python

Java

### Tools & Frameworks

HTML & CSS

Unix/Linux

jQuery

Bootstrap

electron

DynamoDB

MongoDB

Express.js

AngularJS

Node.js

09/18-05/19

#### High Performance Computing Intern

Tufts Technology Services

- Automate and create templates for HPC packages used in research computing installation thereby contributing to the HPC open source community
- Test and document results of open source & commercial software packages
- Study the software build process & develop open source software

06/18-08/18

#### Web Development Intern

Samsung SDSA

- Developed a desktop application PC-Monitoring using node.js & electron that monitors a PC's health
- Created a dashboard using Bootstrap that can display info of PCs running PC-Monitoring and remotely start applications using AWS api calls
- Captured images from RTSP streams and converted them to base64 data that is then stored in Amazon DynamoDB and displayed on the dashboard
- Utilized Paper.js to display moving objects on a still image to represent the movement of humans

09/17-12/17

#### Research Technology Intern

Tufts Technology Services

- Created web application templates and forms using HTML & Javascript
- Organized data on LabArchives, an electronic lab notebook used by researchers, and developed widgets to provide better interface
- Migrated templates and forms from one lab notebook 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

07/18-08/18

#### PersonTrack

python

- Developed an application using OpenCV that detects people moving and is able to visually track and trace their movement
- Improved OpenCV's motion detection algorithm to more efficiently track relevant objects & eliminate unwanted objects

11/17-12/17

#### RYG

C#

- Developed a game with Unity to regulate traffic at a 4-way intersection
- Created algorithms to spawn cars and pedestrians appropriately