Do Hyeong (Daniel) Kim

1257 Poplar Ave
Sunnyvale, CA 94086
(718) 687-3315
dohyeong.kim@sjsu.edu
https://github.com/brightdo || http://dohyeongkimatsjsu.educationhost.cloud/

Education

San Jose State University — San Jose, CA
Master's in Software Engineering — GPA: 3.3 — 2020-2021

New York University — New York, NY
Bachelor of Arts in Computer Science— GPA: 3.24 | Major GPA: 3.30 — 2015 - 2019

Technical Skills

- Proficient in Java, C, HTML, CSS, Node JS, JavaScript, Express, AJAX, JSON MongoDB, Objective C, and Mongoose, design patterns
- Knowledgeable in Python, SQL, Assembly, PHP, JQuery, algorithm, OpenMP, CUDA, MPI, Swift,
- Proficient in Windows, macOS, vim, nano, Agile,Scrum, Linux and github.

Work Experience

JetSweat — New York, NY
Software Engineer Intern — September 2018- December 2018

- Contributed significantly on updating the format of the new website app, using node JS and React: notably the main website page, the navigation bar, and "how it works" page.
- Programmed the updated studio description page that will serve as the coding blue print for all other studio description pages to be created in the future.
- Worked directly with the main designer to deliver projects' agreed upon design and coding.
- Led a team of interns on projects to successfully commit and push through github.

NYU ITS- Client Services — New York, NY
Distributed Desktop Student Technician — June 2018- August 2018

- Assisted with imaging of windows laptops and iMacs, registering them to NYU network, installing software such as Microsoft office, cisco anyconnect, and symantics.
- Troubleshot any hardware or software problems clients faced.

NYU Palladium Atheltic facility — New York, NY
Sweat N Shop Attendant — May 2016- July 2016

- Assisted clients with inquiries about the gym facility or shop products.
- Handled purchase transactions, and upheld the quality of the shop products and kept track of inventory.

Academic Projects

Starbucks App (Java) — Feburary 2020- May 2020

- completed an implementation of the Patterns in a text based Starbucks Mobile App Simulator
- Used design patterns such as State, Composite,Chain of Responsibility, Command, Observer, and State to make the module with minimal coupling and the code easier to understand and maintain.

Generating Prime Numbers in a Parallel Manner (OpenMP) — February 2018- May 2018

- Wrote parallel code on CIMS machines to generate prime numbers from 2 to N, and tested scalability and performance.

Implementation of Two-Pass Linker (Java) — February 2018- May 2018

- Created my own version of a two-pass linker used by the operating system.
- Programmed the code in a way to be more flexible towards different input formatting.

Banker's Algorithm(Java) — February 2018- May 2018

- Wrote a resource allocation algorithm, using both an optimistic resource manager and the banker's algorithm of Dijkstra.
- Optimistic manager grants all requests and releases resources when encountering a deadlock. Once resource is available, pending requests are granted in a FIFO Manner.

NYU Classes Textbook look up website (HTML) — February 2019- May 2019

- Created a website for NYU students to look up the required textbooks for their classes and organize a list of textbooks to buy.
- Implemented a search bar that filters the classes by name, professor, and class number.
- Integrated user authentication with passport.
    - Student authentication to make the textbook list private and accessible only to the owner.
    - Professor authentication to create or change classes and modify required textbooks.