Leejin (Ian) Kim

(669) 269-9723 | rladlwls17@gmail.com | https://github.com/lkim3834 | https://www.leejiniankimportfolio.net/

EDUCATION

Bachelor of Science (B.S.) in Computer Science at University of California, Santa Cruz Sep 2019 - Mar 2023

Dean's List: Honoree for Fall 2019, Spring 2020, and Spring 2023 quarter

Relevant Courses: Data Structures & Algorithms, Computer Systems & C Programming, Computer Architecture, Python Programming, Applied Machine Learning, Software Engineering Fundamentals, Parallel Programming

***Teaching Assistant** for **Computer Architecture**, grading student work, attending lectures, and meeting with the supervisor.*

Technology Skills

Computer Languages Skill
Python C/ C++ Git Linux Unix SQL

AI
Machine Learning

App Development
HTML/CSS Javascript Swift Angular C#

Developer Tools
VS Code MATLAB Docker

Certification
AWS Certified Cloud Practitioner (CLF) - Dec 18, 2022

Languages Skill
Korean - Intermediate

Methodologies
Agile Scrum

PROJECTS

Client/Server Application Using Sockets | *C++, Linux, IP, Git* May *2021 - Jun 2021*

- Established client-server communication in C++ by building **11 cxi_commands** (such as **GET, PUT**, **RM**, etc.).
- Implemented a header containing **payload** size, a single byte representing a client **command**, and the **filename**.
- Enabled file transfers, requests, and summary listings via **TCP/IP** over **IPv4 sockets**.

CPU Scheduling Algorithms | *C, Linux, I/O, Git* Jan *2022 - Mar 2022*

- Implemented a selection of **CPU scheduling algorithms**, including First-Come, First-Served (FCFS) and SJN.
- Tested algorithms against simulated thread groups with **random arrival times** and bursts of CPU and I/O activity.
- Optimized turnaround and **waiting times** for **150 thread** profiles, showcasing performance optimization skills.

Athena app | *Swift, Firestore, Git* Mar *2022 - Jun 2022*

Github link: **github.com/heysaik/project-athena**

- Created an **iOS** book-tracking app by implementing **Swift**, Firebase **Firestore**, and MVVM architecture in an **Agile**.
- **Retrieved and updated backend** data utilizing Firestore to enhance users' reading progress monitoring experience.
- Served a user-friendly **notes view,** allowing 100+ new users to create, search, and manage notes linked to their books.

MeetupOrganizer Web Development | *SQL, JavaScript, HTML/CSS, Git, Python, Docker* Mar *2022 - Jun 2022*

Github link: **github.com/lkim3834/Meetup-Organizer-Website**

- Developed a full-stack MeetupOrganizer website, utilizing **Rest API** with **.NET** 7, **C#**, JavaScript, and HTML/CSS.
- Handled **HTTP requests**, including GET, PUT, and POST, and performed the required **data operations** with **C#.**
- Deployed it on the Microsoft **Azure cloud** platform using an Azure **SQL** database and **Docker**, providing scalability.

WORK EXPERIENCE

Director of web designer/event coordinator for NeuroTechSC club - *Santa Cruz, California* *Jun 2020 - Dec 2022*

- Developed a JavaScript-based club website with contact information, navigation tabs for URLs/HTML pages, etc.

Web Developer at Tech4Good - *Santa Cruz, California* *Feb 2021 – Mar 2023*

- Included **UI components** such as **layout, icons, and popovers**, leveraging HTML/CSS, Typescript, and Figma.
- Built a web page using **AngularJS** to interact with a Firebase to retrieve and modify **nine entities** efficiently.

Code Coach at theCoderSchool - *Fremont, California* *Oct 2022 - present*

- Guided 30+ students in constructing applications utilizing diverse languages such as **Python**, **HTML/CSS**, and **Java**.

AWARDS

1st Place, NeurotechX Annual Student Competition | November 2020

- Won with Boolepathy, a silent speech interface applying ML and **subvocal recognition** for synthetic telepathy.
- Improved model accuracy from **65 percent to 91 percent** by integrating **Electromyography** and **standardization**.