

EUN PYO (JASON) LEE

734-882-9638 | eunpyolee0420@gmail.com | <https://jason-personal-website.com> | <https://github.com/EunPyoLee>

EDUCATION

UNIVERSITY OF MICHIGAN

B.S. in Computer Science

- University Honors - April, 2015

September 2014 – December 2020

GPA: 3.51 (Scale of 4.00)

EXPERIENCE

LINGCO LANGUAGE LABS

Language Teaching Platform for Public Education

Full-Stack Software Engineering Intern

May 2020 – July 2020

Lansing, Michigan

- Built Lingco's payment system using the Stripe API. Leveraged webhooks to follow the 3-D secure protocol and prevent duplicate charges.
- Refactored portions of the source code by removing redundant calls to the Context API and Redux and creating a centralized place to hold the states. Broke down a table-like component into a smaller column-like module to provide more flexibility to the parent component.
- Implemented a feature that allows users to search through the platform using filters. Created a custom video controller that stays aligned with Lingco's UI. Enhanced the interface of the product by building a drawable sidebar and changing the platform to use a list/grid view mode

EDENCHAIN HEADQUARTER

International Permissioned Blockchain Platform Company

Business Development Intern and Edenchain Ambassador

July 2018 – December 2019

Seoul, South Korea

- Analyzed the potential effect of local cryptocurrency in the local economy and what differentiates "Chung-Nam Coin" to other domestic virtual and crypto local currencies such as "Seoul Coin"
- Conducted a feasible blockchain use-case research in the "Si-Heung Surfing Park Project" (surfing park under construction, expected to be a training center for Tokyo Olympic surfers)

SEOUL SONGPA POLICE STATION

Provincial Police Station in Seoul

Sergeant, Chief Auxiliary Policeman, Company Radio Operator, Commander Assistant

September 2016 – June 2018

Seoul, South Korea

- Received the "Major General's Best Trainee" award as a devoted trainee in Nonsan Korea Army Training Center
- Decorated by the Brigadier General of Police for the leadership and the performance of duties during President Trump's visit, the Inter-Korean summit 2018, and the PyeongChang Winter Olympics events

PROJECTS

SPA Personal Website

July 2020 – August 2020

- A single page web app accordant with further build-ups that uses react-router to dynamically change contents
- Styled with Material-UI and custom CSS including flexible grid to support cross-browser compatibility
- Easy to update static information through a single Constant file

Jade VS Jason

April 2020 – May 2020

- React web app compatible Cannonball shooting game built on top of the physics engine Matter.js
- Leveraged Operating System's transaction logging idea to provide isolation in collision detection

Thread Library Project

January 2020 – February 2020

- Built a high-level synchronization tool imitating the thread library in a multi-processor environment
- Improved 20% in memory usage through a thread garbage collector and 10% in CPU time consumption on average through a minimization of Linux's set and swapcontext call during a thread state change
- By applying RAIL, efficiently managed memory with higher maintainability