

# EUN PYO (JASON) LEE

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## EDUCATION

### UNIVERSITY OF MICHIGAN

September 2014 – December 2020

*B.S. in Computer Science*

GPA: 3.51 (Scale of 4.00)

- Co-founder of Community Venture Club 2016
- University Honors - April, 2015

## EXPERIENCE

### LINGCO LANGUAGE LABS

May 2020 – July 2020

Language Teaching Platform for Public Education

*Lansing, Michigan*

*Full-Stack Software Engineering Intern*

- Developed 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
- Updated the UI/UX of Lingco's product for the new version by building search filters, drawable sidebar, and list/grid view mode

### EDENCHAIN HEADQUARTER

July 2018 – December 2019

International Permissioned Blockchain Platform Company

*Seoul, South Korea*

*Business Development Intern and Edenchain Ambassador*

- Wrote over 70 daily top 50 cryptocurrencies analyses and crypto market news to provide the executives with insights for strategic business decisions
- Collaborated with the task force team from Chung-Nam province to research the potential effect of local crypto currency in the local economy and how to differentiate "Chung-Nam Coin" to other domestic virtual and local cryptocurrencies
- Led a cryptocurrency use-case research in the "Si-Heung Surfing Park Project", expected to be a training center for Tokyo Olympic surfers, providing an idea of an amusement park coin based on a cryptocurrency for a more versatile and valuable virtual coin

### SEOUL SONGPA POLICE STATION

September 2016 – June 2018

Provincial Police Station in Seoul

*Seoul, South Korea*

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

- Served as a trainee platoon leader during 4 weeks of bootcamp and received the "Major General's Best Trainee" award
- Commanded a company in over 50 major operations and led counter-terrorism training as Chief Auxiliary Policeman
- 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

- Designed a single page web app adaptable for future 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
- Improved maintainability and adaptability by modularizing components and separating out static data

### Jade VS Jason

April 2020 – May 2020

- Implemented react web app compatible Cannonball shooting game built on top of the physics engine Matter.js
- Leveraged the concept of transaction logging used in operating systems to provide isolation in collision detection, delivering a solution for hit damage bug and an inconsistency in switching turn

### Thread Library Project

January 2020 – February 2020

- Built a high-level synchronization tool imitating the thread library in a multi-processor environment
- Managed memory applying RAII for the consistency and maintainability, reducing significant amount of debugging time
- 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