EUN PYO (JASON) LEE

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EDUCATION

UNIVERSITY OF MICHIGAN   **September 2014 – December 2020**
B.S. in Computer Science   GPA: 3.48 (Scale of 4.00)

- University Honors - April, 2015

EXPERIENCE

EDENCHAIN HEADQUARTER   **July 2018 – December 2019**
International Permissioned Blockchain Platform Company   *Seoul, South Korea*
Business Development Intern and Edenchain Ambassador

- 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   **September 2016 – June 2018**
Provincial Police Station in Seoul   *Seoul, South Korea*
Sergeant, Chief Auxiliary Policeman, Company Radio Operator, Commander Assistant

- 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

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 RAII, efficiently managed memory with higher maintainability

Search Engine Project   **November 2019 – December 2019**

- Built a web search engine that ranks search results based on "Term Frequency – Inverse Document Frequency"
- Leveraged Flask and React.js to write backend and frontend for the website
- Designed four-stage MapReduce pipeline to efficiently calculate inverted index by saving memory from storing over 30MB input into a data structure

Delta Debugging Program   **November 2019 – November 2019**

- Created Delta Debugging program that minimizes a failure-inducing testing set
- Customized a failure detector to remember the total line coverage with a 2% error rate, contributing to a 40% reduction in runtime within a 2% error rate

CyPlaza   **July 2019 – October 2019**

- Designed an e-commerce platform for businesses and consumers to buy/sell goods
- Properly handled authentication and security issues through Google OAuth API
- Website URL: https://limitless-inlet-40814.herokuapp.com

SKILLS

Languages		Software		Others
C++	Python	XCode	Atom	Object Oriented Programming
JavaScript	Swift	Linux	MongoDB	Web Development
		Github	GitLab	Multi-Threading Programming
		Postman	Sqlite3	Shell Scripting
		MySQL	Robo3T	Hadoop MapReduce