

Junhyun Lim

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EXPERIENCES

Riderdash

Jun. 2020 – Dec. 2020

Software Development Intern

Seoul, South Korea

- Worked on Dockerizing the production and development environment, backend API, frontend development and data analytics. Wore many hats at a highly stressed and motivated seed-stage startup.
- Led the operations team to design data visualizations for regional order statuses using Recharts, cutting daily and weekly meeting times for the operation team by several minutes.
- Refactored source code in Caramora by cleaning up GraphQL queries and strengthening the Typescript typing system.

Crema Marketing Solution

Jun. 2019 – Sep. 2019

Software QA Intern

Seoul, South Korea

- Researched and built a QA automation tool to speed up web testing with Selenium in Python and Javascript, **cutting down QA testing time by 300%**.
- Streamlined the QA testing process with the QA team, and helped the software development team come up with a viable decision for creating an in-house testing suite with the aforementioned tech stack.

RESEARCH PAPER

Using Fibonacci factors to create Fibonacci pseudoprimes

Submitted to The Fibonacci Quarterly, May 2021

John Greene, Junhyun Lim, Shaunak Mashalkar, Edward F. Schaefer

PROJECTS

FibPseudoprime

- Constructed Fibonacci Pseudoprimes that were $\pm 2 \pmod 5$ with data from Mersennus. Python and Haskell were employed for quick BigInt calculations.
- Ran a version of the base-2 pseudoprime tests on pseudoprimes generated from **9999 Fibonacci numbers**.

Graph Visualizer

- Enforced an Agile work environment for the team and managed long-term goals for the project.
- Set up the interactive graph environment through Cytoscape and coded graph algorithm simulations. Maintained a strict typing system through Typescript and enforced the Atomic Design methodology of the project.

Unnamed React-Native Project

- Frontend development head for a tinder-style react-native video game application.
- Dockerized Android and Expo in order to unify the testing environment for team members and enable the development for automated CI/CD testing in the future.

EDUCATION

Santa Clara University

Sept. 2017 – Dec. 2021

Bachelor of Science in Mathematics and Computer Science

Santa Clara, CA

- **Coursework:** Data Structures, Algorithms (Graph Theory), Cryptography, Advanced Linear Algebra

SKILLS

Languages: Python, C++, JavaScript, HTML/CSS, Typescript, Node.js

Tools: Agile Methodology, Google Analytics, Git, Elasticsearch, React.js, Electron