Billy (Jeongbin) Lee

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EDUCATION

Dickinson College   **Carlisle, PA, U.S.**
Bachelor of Science, Computer Science   Expected May 2023
Relevant Courses: Analysis of Algorithms, Data Structure and Algorithms, Computing Abstractions, Operation Research, Computability and Complexity, Tools and Techniques for Software Development, Principle of Object-Oriented Design, Large-scale and Open-Source Software Development, Linear Algebra, Fundamentals of Accounting

- *Founders Scholarship*: Merit-based scholarship
- *Dean's List*: Spring 2021

LANGUAGES & TECHNOLOGIES

Programming Languages: Java, Python, HTML, CSS, JavaScript, Ruby, C++, SQL
Framework/Tool: Docker, Git, React, Vue.js, VirtualBox, Unix, Jira, MS (Word, PP, Excel)
Language Proficiencies: English, Japanese, Chinese, Korean

EXPERIENCES

Tsubaiso   **Tokyo, Japan**
Web Developer Intern (Ruby, Ruby on Rails)   June 2021 – Nov 2021

- Generated Swagger documentation for Tsubaiso Ruby on Rails API on Apipie by creating and modifying Ruby and YML scripts.
- Refactored and modularized the source code of Tsubaiso ERP to improve code's readability and functionality by 30%.
- Fixed defects for new versions of Tsubaiso ERP and PSA with a 5-member team using Ruby on Rails, such as inaccurate alignment of numbers in financial ledgers output in the front-end or false ordering of payment schedule lists.

PROJECTS

Personal Portfolio Website *(CSS, HTML, JavaScript)* [https://github.com/miyu386/miyu386.github.io]

- My personal portfolio website, created using CSS, HTML, JavaScript, and external libraries such as Font Awesome toolkit

Covid Tracker App *(Swift)* [https://github.com/miyu386/Covid19TrackingApp]

- A COVID-19 data tracking IOS application implemented using XCode 13
- Enabled data filtering by U.S. states as well as representation of data in charts using IOS Charts library

FarmData2 *(HTML, JavaScript, Vue.js)* [https://github.com/DickinsonCollege/FarmData2][commit link]

- Implemented front-end services that enable logging crops and livestock data with HTML, CSS, JavaScript, Vue.js
- Conducted product planning to implement new functionality to the project based on requests from Dickinson College farm
- Enabled data filtering and ordering to provide easier data access for farmers
- Tested the farmOS API and identified potential poor API design

Coding Projects *(Java, Ruby)* [https://github.com/miyu386/Coding-Problems-Challenges]

- A compilation of coding projects: Ferry Boat (*Java*), Mean/Range Finder (*Java*), Shapes (*Java*), Word Analyzer *(Java)* and answers to some Leetcode questions *(Ruby)*

CERTIFICATE

JP Morgan Chase **Software Engineering Virtual Experience** *(Python, React)*

- Fixed broken client-side application that receives data from the server application to allow automatic update of the graph
- Generated a live graph that clearly indicates upper/lower bounds as well as ratio between two stocks observed to better illustrate opportunities for traders

Electronic Arts **Software Engineering Virtual Experience** *(Python)*

- Built a new game Vax-Man through modification of open-source Python Pac-Man implementation
- Implemented the game through Unreal Engine