

# Billy (Jeongbin) Lee

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## EDUCATION

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### Dickinson College

Bachelor of Science, Computer Science

Carlisle, PA, U.S.

Expected May 2023

**Relevant Courses:** Tools and Techniques for Software Development, Analysis of Algorithms, Data Structure and Algorithms, Operating Systems Database Systems, Computing Abstractions, Computability and Complexity, Principle of Object-Oriented Design, Large-scale and Open-Source Software Development, Linear Algebra

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

## LANGUAGES & TECHNOLOGIES

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**Programming Languages:** Java, Python, HTML, CSS, JavaScript, Ruby, C/C++, SQL

**Framework/Tool:** Docker, Git, React, Vue.js, Ruby on Rails, VirtualBox, Unix, Jira, MS (Word, PP, Excel)

**Language Proficiencies:** English, Japanese, Chinese, Korean

## EXPERIENCES

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### Tsubaiso

**Web Developer Intern** (Ruby, Ruby on Rails)

Tokyo, Japan

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.

### Dickinson College

**Teaching Assistant/ CS Help Room Tutor**

Carlisle, PA

Jan 2022 – Present

- Assisting professors with homework marking and providing relevant feedbacks to students.
- Conducting academic tutoring in CS coursework materials and providing guidance on course assignments.
- Organizing in-class activities to enhance classroom learning experiences.

## PROJECTS

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**NFT Royalty Smart Contract** (Rust, JavaScript, SwiftUI) [<https://devpost.com/software/smart-contracts-and-royalties>]

- Won #1 in Best Use of Gear Technologies for successful implementation of NFT royalty features
- Created functions enabling percentage return to the original creator of NFT as a form of royalty
- Wrote complementary test cases to test the functionality of added features and successfully deployed smart contract program on Gear's development platform

**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
- Tested the farmOS API and identified potential poor API design

## CERTIFICATE

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**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 on 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