

Billy (Jeongbin) Lee

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EDUCATION

Dickinson College

Bachelor of Science, Computer Science

Carlisle, PA, U.S.

Expected May 2023

- **Dean's List:** Spring 2021, Fall/Spring 2022
- **Relevant Courses:** Tools and Techniques for Software Development, Data Structure and Algorithms, Analysis of Algorithms, Operating Systems, Database Systems, Principle of Object-Oriented Design, Large-scale and Open-Source Software Development, Linear Algebra

LANGUAGES & TECHNOLOGIES

Programming Skills: Java, JavaScript, C/C++, SQL, Python, Ruby

Framework/Tool: Docker, Git, Swagger, Spring Boot, MERN, Ruby on Rails, MySQL, VirtualBox, Unix, Jira

Language Proficiencies: English, Japanese, Chinese, Korean

EXPERIENCES

Box, Inc.

Redwood City, CA

Software Engineer Intern (Enterprise Activity Management Team)

June 2022 – Aug 2022

- Created a new endpoint for Box's Groups API to improve scalability by 200% and provide functionality with pagination and search query parameters for the new admin console page - deployed to production for internal use.
- Integrated existing policy sets on Permissions PDP to restrict access to Groups API resources for authorized admins.
- Worked through the full layers of Groups domain service to provide new controller, service, and repository methods for handling new endpoint request and collaborated with front-end and product team to optimize endpoint design.
- Utilized Box's external libraries: Credence, to deliver convenient and secure access to relational data, Monaco Framework, to provide exception handling and in-depth logging services in API calls.
- Box Hackathon Customer's Choice Winner: produced the presentation demo for a crucial role in the win.

Tsubaiso

Tokyo, Japan

Web/ Software Developer Intern

June 2021 – Nov 2021

- Enhanced Tsubaiso API user experience by generating 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%.
- Worked with a team of 5 members on improving new versions of Tsubaiso ERP and PSA by fixing defects such as inaccurate alignment of numbers in financial ledgers output in the front-end and false ordering of payment schedule lists.

Dickinson College

Carlisle, PA

Teaching Assistant

Jan 2022 – May 2022

- Conducted academic tutoring to enhance students' understanding of CS materials and guided course assignments.
- Collaborated with professor in coursework planning to facilitate transition into remote environment for student engagement.
- Assisted professors with homework marking and provided relevant feedbacks to students.

PROJECTS

NFT Royalty Smart Contract [<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 unit tests to verify the functionality of added features and successfully deployed smart contract program on Gear's development platform

Built-From-Scratch OS [<https://github.com/miyu386/OperatingSystem>]

- A rudimentary operating system written in C language with multiprogramming, time-sharing, and command line interface features.

Covid Tracker App [<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 [<https://github.com/DickinsonCollege/FarmData2>][[commit link](#)]

- Implemented front-end services that enable logging crops and livestock data using HTML, CSS, Vue.js
- Collaborated with Dickinson College farm to conduct product planning to implement new functionality to the project
- Tested the farmOS API and identified improvable API design