

Jingyu (Marcel) Lee

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EDUCATION

Dickinson College Carlisle, PA

Expected graduation: May 2024

GPA: 3.98/4.0

B.S in **Computer Science** and **Quantitative Economics**

Relevant Courses: Artificial Intelligence, Programming Language Structures, Data Structures and Problem Solving, Principals of Objected Oriented Programming, Computing Abstraction, Computational Mathematics, Discrete Mathematics, Single Variable Calculus, Multivariable Calculus, Linear Algebra, Large-Scale Open-Source Software Development, Tools and Techniques for Software Development, Econometrics

SKILLS

Programming Language: Python, Java, JavaScript, MATLAB, R, SQL

Frameworks/Tools: Git, Docker, LaTeX, Bash, MySQL, Eclipse, VSCode, Octave, Slack, HTML, CSS, React.js, Vue.js, Bootstrap4, jQuery, Cypress, Pandas, NumPy, Matplotlib, MS (Word, Excel, PowerPoint), Adobe (Photoshop, Premiere, Illustrator)

Human Language: Korean (Native), English (Fluent), Mandarin Chinese (Fluent)

WORK EXPERIENCE

FarmData2

Carlisle, PA

Software Development Intern

June 2022-Present

- Contributed as a developer of an open-source application that assists organic farming businesses under Agile principle.
- Developed front-end features for a web-based data management system with HTML, CSS, JavaScript, Vue.js, and jQuery.
- Created configuration page to allow customization of Axios REST API requests for each user toolkit.
- Modularized 5 frequently used features into Vue components and conducted Cypress unit and end-to-end tests.

Veterans Education

Seoul, Korea

Software Engineer Intern

May 2021-Aug 2021

- Provided web-enabled online quiz solution for 500 student users using HTML, CSS, Bootstrap4, JavaScript, and React.js.
- Optimized MySQL database duration by 220ms to reflect real-time changes in students' status on the Kiosk server.
- Performed graphical analysis of students' performances with Python Pandas, NumPy, SciPy, Matplotlib library, and Excel.

Korean Augmentation to the US Army (KATUSA)

Pyeongtaek, Korea

Enlisted Sergeant (SGT); 2nd Infantry Division Resource Management Specialist/APC

Aug 2019-Mar 2021

- Managed 7000+ soldiers' Defense Travel System Database & Government Travel Charge Card.
- Maintained <3% card delinquencies, frauds, abuses, and misuses by automating weekly Excel reports with SQL and Openpyxl.

PROJECTS

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

Awarded first place in HoyaHacks 2022 Gear Technology Track for creating an NFT Smart Contract that allows users to mint NFTs that enable percentage return to the original creator and deploy them on a Polkadot Parachain.

Automated Slack Trading Bot Slack API, Creon API, Python, Pandas, NumPy [<https://github.com/JingyuMarcelLee/StockAuto>]

A Slack API bot scripted with python that uses Creon API to automatically trade securities in the KOSDAQ market based on customizable strategies and sends a Slack notification to the designated channel when transactions are made.

Portfolio Website (In progress) HTML, CSS, JavaScript, React.js, Bootstrap4, jQuery

A portfolio website created with HTML, CSS, JavaScript, React.js, and external libraries such as jQuery, and Bootstrap4.

EXTRACURRICULAR & COMMUNITY INVOLVEMENT

Student Senate, President of Class of 2022

Sep 2018-May 2019

Served as a representative of the Class of 2022 to the Enrollment and Student Life Committee and the Student government.

Math and Computer Science Club, Treasurer (Incoming)

Sep 2021-Present

Expected to support more than 100 club members by allocating adequate club funds to various departmental events.

Competitive Programming Club, Team A Member

Sep 2021-Present

Participated in ICPC 2021 Mid-Atlantic Regional competition and weekly competitive programming practice workshops.

HONORS

Scholarship: John Montgomery Scholarship (All-academic Years), Trustee Scholarship (All-academic Years)

Academic honors: Dean's List (2018-Present), Alpha Lambda Delta (National Honor Society for First-Year Success)

Others: US Army Achievement Medal (2020), EARCOS Global Citizenship Award (2017)