Jingyu (Marcel) Lee

Email: leemar@dickinson.edu
Mobile: +1 717-701-3754

LinkedIn: linkedin.com/in/JingyuMarcelLee
GitHub: github.com/JingyuMarcelLee

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, Data Structures and Problem Solving, Principals of Objected Oriented Programming, Computing Abstraction, Computational Mathematics, Discrete Mathematics, 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, Gatsby.js, MaterialUI, BootStrap4, jQuery, Cypress, Pandas, NumPy, Matplotlib, MS (Word, Excel, PowerPoint), Adobe (PS, PR, AI)
Human Language: Korean (Native), English (Fluent), Mandarin Chinese (Fluent)

WORK EXPERIENCE

FarmData2 **Carlisle, PA**
Software Development Intern *June 2022-Present*
- Contribute as a developer of an open-source application that assists organic farming businesses under Agile principle.
- Develop front-end features for a web-based data management system with HTML, CSS, JavaScript, Vue.js, and jQuery.
- Create configuration page to allow customization of Axios REST API requests for each user toolkit.
- Modularize frequently used features into Vue components and conduct Cypress unit/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 *HTML, CSS, JavaScript, React.js, Gatsby.js, MaterialUI [https://jingyumarcellee.gatsbyjs.io]*
A portfolio website created with HTML, CSS, JavaScript, React.js, *Gatsby.js, MaterialUI*.

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)