

Jeongsoo Lee

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jeongsooleeportfolio.com

EDUCATION

The Pennsylvania State University, University Park, PA
Bachelor of Science in Information Sciences and Technology

Aug 2020 - May 2026
Cumulative GPA: 3.79

Major: Cybersecurity Analytics and Operations

Skills: Java, Linux, Excel, MySQL, Wireshark, R, Nmap, Python, Flutter, GitHub, GitLab, JavaScript, Node.js, React.js, Active Directory, Network

RELEVANT EXPERIENCES

People Link One (PLO) TAGO project, University Park

Aug 2024 - Aug 2025

Software Developer / Project Leader

- Developed TAGO, a campus ride-sharing mobile application designed to address coordination challenges and high transportation costs for students traveling to airports, used by 30+ users to form four-person ride groups through in-app chat
- Implemented Google and Apple email authentication, real-time in-app chat, and automated ride group management to enable seamless group formation without reliance on external messaging platforms
- Led end-to-end development and GitHub workflow by structuring the codebase into modular components, coordinating feature development and code reviews and ensuring long-term scalability and maintainability

Fasoo Design System UI Library Project, South Korea

May 2025 - Aug 2025

Software Development Intern

- Developed a Flutter-based UI component library that enables multiple applications to reuse common interface elements such as buttons, navigation components, and overlays with consistent behavior and styling, supporting over 50 reusable components and improving UI consistency across products
- Implemented and documented core UI components including App Bar, Bottom Sheet, Buttons, Tabs, and Snack Bar, using shared sizing and typography systems, building responsive layouts optimized for desktop, mobile, and tablet devices, reducing duplicated UI development effort and improving developer productivity by 30%
- Collaborated with designers and engineers through GitLab issues, merge requests and code reviews, and maintained a centralized demo page to support visual testing, feedback, and iterative UI components

Penn State Customer Support Chatbot Project, University Park

Sept 2024 - Dec 2024

Java Developer

- Developed a Java-based task-oriented customer support chatbot supporting 2 core service intents including order tracking and refund requests, enabling users to complete multi-step requests through structured, goal-driven conversation flows
- Implemented a rule-based intent and domain classification system using keyword matching to route user input across 2 intent classifiers and 1 domain classifier, improving request accuracy and reducing ambiguous user responses
- Designed a state-driven dialogue management system with more than 10 dialogue states, integrating slot-filling logic to extract required fields such as order numbers and product names and ensure task completion before advancing conversations

Penn State Lib SQL Project, University Park

Aug 2023 - Dec 2023

Database developer / Project Leader

- Designed and implemented a relational database for an online library e-commerce platform based on detailed business requirements, supporting core workflows such as book search, purchase, rental, checkout carts, and SQL+ subscriptions
- Built 10+ normalized database tables with primary and foreign key constraints to model users, books, publishers, checkout carts, payment methods, and subscription plans, ensuring data integrity across multi-item orders and transactional relationships
- Evaluated and applied database design trade-offs by balancing normalization, query efficiency, and scalability, translating real-world constraints such as multiple publishers, payment methods, and subscription plans into a maintainable schema

Republic of Korea Army, South Korea

Aug 2021 - Feb 2023

Squad Leader

- Managed end-to-end military logistics operations by coordinating the distribution of equipment and supplies, including vehicle parts, weapons, protective gear, and field equipment, to over 20 military units, ensuring accurate tracking, timely delivery, and operational readiness
- Served as a squad leader, supervising and training a team of soldiers, assigning daily tasks, and ensuring compliance with operational procedures, safety standards, and reporting requirements
- Supported field-level logistics operations by recording material movement, packaging status, and palletized shipment details in daily logs, reinforcing the importance of accurate data entry and material traceability