

Jeongsoo Lee

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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

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 that 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 component 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, which 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 component

Penn State Customer Support Chatbot Project, University Park

Sept 2024 - Dec 2024

Java Developer

- Developed a task-oriented customer support chatbot in Java that assists users with common service requests such as order tracking, refund processing, and product recommendations by guiding conversations through clearly defined goal-driven interaction flows
- Implemented logic to analyze user input by identifying the user's request type and extracting key information such as order numbers and product names, enabling the system to route each request to the appropriate handling process with improved accuracy and reliability
- Designed and integrated a dialogue management system that maintains conversation context and controls step-by-step transitions between responses, allowing the chatbot to deliver relevant, real-time replies while strengthening skills in structured system design and conversational logic

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+ subscription
- Built 10+ normalized database tables with primary and foreign key constraints to model users, books, publishers, transactions, 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 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