

Woojoo Song

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EDUCATION

The Pennsylvania State University
B.S. in Computational Data Sciences
GPA: 3.44

University Park, PA
Graduation: Dec. 2026

QUALIFICATIONS & SKILLS

Programming Languages: Java, C++, Python, SQL, JavaScript
Tools/Frameworks: Flutter, Firebase, Git/GitHub, MongoDB, Node.js
Languages: English, Korean

EXPERIENCE

Slam

Seoul, South Korea

Backend Developer Intern

Jun. 2026 – Aug. 2026

- Owned backend architecture and database design for an AI video platform on a 3-person engineering team, implementing access control using Node.js and Supabase.
- Closed an RLS gap that let suspended users reverse moderation actions, catching it pre-launch and patching it with a column-level trigger guard.
- Diagnosed a table-level grant silently overriding a column REVOKE that would have exposed user emails at launch; fixed via explicit column-scoped grants.

People Link One (PLO)

State College, PA

President

May 2025 – May 2026

- Directed a 20-member student development club, shipping campus services (TAGO, Sell&Go) to 200+ active users.

2nd Infantry Division

Camp Casey, South Korea

Senior KATUSA (Sergeant)

Aug. 2022 – Feb. 2024

- Led a 25-member unit through joint multinational operations, coordinating logistics and communication across U.S.–Korea chains of command under high-pressure conditions.

PROJECT EXPERIENCE

Sell&Go – Campus Marketplace

State College, PA

Project Manager

Dec. 2025 – May 2026

- Led cross-functional coordination across business, engineering, and marketing (10-person team) to launch a campus resale marketplace over a 5-month timeline.
- Owned the project schedule, running weekly syncs and resolving scope conflicts across teams to hit launch, growing to 200+ active users.

AI Drone Control System

State College, PA

Software Engineering Team

Jan. 2026 – May 2026

- Built a real-time drone control pipeline integrating Raspberry Pi, onboard camera, GPU-based AI inference, and Pixhawk flight control for autonomous command execution.
- Engineered the image capture and transmission pipeline, streaming periodic camera data to the GPU inference module.

UniGuide AI

State College, PA

Data Team Lead

Jan. 2025 – Dec. 2025

- Defined the data collection and cleaning methodology for model fine-tuning, preprocessing training data feeding automated data-generation and fine-tuning pipelines (PyTorch, Hugging Face Transformers, QLoRA, CUDA GPUs).

TAGO – Airport Shuttle

State College, PA

Backend Developer

Jan. 2025 – May 2025

- Owned end-to-end backend development for a ride-matching app, designing the database schema and real-time features on Firebase Firestore.
- Diagnosed and resolved a black-screen map rendering bug caused by a plugin dependency conflict, tracing the fix through GitHub issue research and targeted version adjustments.