

JOO-HO KIM

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SUMMARY

High-achieving CS Undergraduate (4.0 GPA) combining strong theoretical foundations with practical development experience. Successfully delivered a client-commissioned POS solution and optimized data evaluation pipelines. Seeking a Software Engineering Internship to contribute technical expertise in backend and data-driven systems.

EDUCATION

Arizona State University

Dec 2026

B.S., Computer Science

- **GPA:** 4.00
- **Achievements:** Dean's List(2024, 2025)

Northern Virginia Community College

May 2022

A.S., Computer Science

- **GPA:** 3.89

TECHNICAL SKILLS

- **Programming:** Java, Python, C++, SQL, JavaScript, R, Kotlin, Spring Boot, Rest API
- **Web Development:** React.js, FastAPI, Flask, Tailwind CSS, Vercel, HTML/CSS
- **Data Science:** Pandas, Scikit-learn, TensorFlow, ARIMA, LSTM, Tableau
- **Tools & Platforms:** Git, GitHub, Microsoft Excel, Microsoft PowerPoint, Google Gemini API

PROFESSIONAL EXPERIENCE

World Bankcard Sevicees

Aug 2017 - Aug 2018

Technical Support / Intern

- Configured and deployed POS hardware and network infrastructure for 50+ merchant clients, ensuring seamless payment processing.
- Diagnosed and resolved hardware/software connectivity issues, reducing system downtime and maintaining high client satisfaction.

Republic of Korea Army

Apr 2012 - Jan 2014

Military Intelligence Specialist

- Managed classified military documents with strict adherence to security protocols and regulations.
- Authored comprehensive training plans and long-term strategic project reports (Microsoft Office)

ACADEMIC PROJECTS

Custom Android POS Solution | [View Report](#)

Dec 2025 - Jan 2026

Chandler, AZ

- Engineered a turnkey POS ecosystem, bridging physical network infrastructure setup (routers, printers) with custom Android software development.
- Implemented an offline-first architecture using local databases (SQLite/Room) to ensure zero data loss during network outages.
- Managed the full release lifecycle, successfully deploying the application to the Google Play Store for streamlined client distribution.

Offline A/B Testing for Recommender Systems | [View Report](#)

Nov 2025 - Dec 2025

Tempe, AZ

- Implemented a research paper to evaluate recommendation models using historical user logs, eliminating the risk of revenue loss from live traffic experiments.
- Validated algorithm performance using Inverse Propensity Scoring (IPS), proving that offline evaluation can reliably predict real-world outcomes without costly A/B testing.

Interest Rate Estimator | [View Report](#)

Jul 2025 - Aug 2025

Tempe, AZ

- Combines classifier and regressor models to predict loan eligibility and estimate interest rates.
- Provides real-time inference through a REST API and a responsive dashboard.

RESEARCH EXPERIENCE

- A Study on Influence Relationship Between Purpose of Internet Use and Overindulgence. *Journal of KOEN*, 10(2), 47-62