Wonjae Kim

240-243-5700 | kwj0011288@gmail.com | linkedin.com/in/kwj0011288 | github.com/kwj0011288 | Portfolio

EDUCATION

University of Maryland College Park — College Park, MD
Bachelor of Science in Computer Science, Minor in Business — *Expected to Graduate in May 2026*

- **Honors:** 2023-2024, 2024-2025 Dean's List
- **Courses:** Algorithms, Application of Linear Algebra, Artificial Intelligence, Machine Learning, Computer and Network Security, Applied Probability and Statistics, Organization of Programming Languages, Data Science

EXPERIENCE

EOB Automation Processor — May 2025 – Present
Software Engineer — *College Park, MD*

- Built a **Python OCR pipeline** to extract key data from EOB PDFs for **10+ insurers** including Guardian and MetLife, automating patient, ADA code, service date, and payment extraction
- Achieved **95%+ accuracy** and reduced processing time by **70%** for large multi page documents through a dual OCR architecture with **asynchronous Celery workflows**
- Developed RESTful APIs with **Django REST Framework** to supply OCR data to an Electron app, enabling revenue dashboards, claim tracking, and unpaid claim filtering

InZone — May 2025 – Present
Software Engineer Intern — *College Park, MD*

- Built **AI character generation algorithms** and integrated into frontend, boosting engagement and retention
- Implemented **ChatGPT, Ready Player Me, and Meshy AI** to create fully customizable 3D avatars
- Integrated **ElevenLabs** with Firebase to enable real-time voice chats via in-app currency

NEMO Research Assistant — Feb 2025 – May 2025
Research Assistant — *College Park, MD*

- Optimized parallel algorithms in C/C++ stellar dynamics code, boosting simulation performance
- Ported core modules for cross-platform compatibility, ensuring seamless functionality on both Windows and macOS

Hancom – Cross-Platform Transition — Jun 2024 – Aug 2024
Software Engineer Intern — *South Korea*

- Migrated iOS and Android apps to **Flutter**, improving cross-platform support and increasing **efficiency** by **30%**
- Collaborated with **6 developers** & **3 designers** to build hi-fi prototypes, improving integration and functionality
- Assisted the team in enhancing development processes, delivering project **milestones 15% ahead of schedule**

GIT – Automobile Diagnostic Solution — Jun 2019 – Aug 2019
Software Engineer Intern — *South Korea*

- Worked on **advanced automotive diagnostics** targeting next-gen safety and eco-friendly technologies
- Developed advanced **electric vehicle diagnostics**, aligning with trends in autonomy and connectivity.
- Improved **vehicle performance**, **quality**, and **inspection technologies** by implementing strategic enhancements

PROJECTS

August | *Software Engineer, Flutter Lead Developer* — Jun 2023 – May 2025

- **Co-founded** and led development of 'August', a college scheduler app for Android and iOS using **Flutter**, with a focus on user-friendly interface and **cross-platform compatibility**
- Created an innovative scheduling algorithm analyzing available slots, open seats, and user preferences
- Integrated **20+ RESTful APIs** and utilized web scraping for real-time data from school websites

AI Couple Compatibility Scoring System | *Python, TensorFlow, AWS, Django* — Dec 2024 – Feb 2025

- Built a **TensorFlow** AI model for couple compatibility, trained on **50,000+** labeled images with **95% accuracy**
- Designed **real-time scoring APIs** with Django and AWS, integrating embedding-based similarity measures
- Delivered responsive AI-powered UX for web and mobile using **React**, and **Flutter**

TECHNICAL SKILLS

Languages: Java, Python, Flutter, Dart, JavaScript, HTML/CSS, OCaml, Kotlin, React, TailwindCSS
Developer Tools: VS Code, Visual Studio, Eclipse, Android Studio, Xcode, Matlab, Grace