

# Wonjae Kim

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## EDUCATION

### University of Maryland College Park

*Bachelor of Science in Computer Science, Minor in Business*

College Park, MD

*Expected to Graduate in December 2025*

## EXPERIENCE

### Hancom – Cross-Platform Transition

Jun 2024 – August 2024

*Software Engineer Intern*

*South Korea*

- Spearheaded the strategic migration of iOS and Android applications to Flutter, significantly improving cross-platform compatibility and development efficiency
- Engineered a high-fidelity prototype with designers, boosting integration and functionality of the app
- Worked cohesively with a dynamic and enthusiastic team, enhancing development processes and project outcomes

### GIT – Automobile Diagnostic Solution

Jun 2019 – Aug 2019

*Software Engineer Intern*

*South Korea*

- Contributed to advanced automotive diagnostic projects focused on next-gen vehicle safety and eco-friendly technologies
- Developed electric vehicle diagnostics in line with trends in autonomous and connected cars
- Collaborated with a dynamic team to enhance vehicle performance, quality, and inspection technologies

### Republic of Korea Army

Jan 2021 – July 2022

*Front Observer & DMZ Police*

*Paju, South Korea*

- Served in front-line duty in a critical border area for 5 months under 1st Artillery Division
- Promoted to Sergeant, led team operations emphasizing communication and strategic decision-making
- Earned an honorable discharge with the rank of Sergeant, recognized for dedication and discipline

## PROJECTS

### August | Co-founder, Software Engineer, Flutter Lead Developer

June 2023 – Present

- Co-founded and developed '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 RESTful APIs and utilized web scraping for real-time data from school websites
- Collaborate weekly with co-founder and lead developer to enhance app functionality and user experience
- Achieved over 250 users within the first month post-launch, with continued growth driven by consistent user engagement and high satisfaction

### Human-to-Animal Facial Resemblance Classifier AI | Python, TensorFlow, OpenCV

- Built an AI model to classify human faces into animal-like categories using CNN and U-Net architectures
- Automated dataset creation, collecting and preprocessing 10,000+ images with face detection and augmentation
- Enhanced model performance through batch normalization and dropout layers, reducing overfitting
- Achieved high validation accuracy and deployed the model as a reusable .h5 file for future applications

## LEADERSHIP

### Korean Teaching Assistant (TA)

August 2023 – May 2024

*University of Maryland College Park*

*College Park, MD*

- Led large Korean language and culture classes, utilizing interactive methods to boost engagement and proficiency
- Collaborated with faculty in designing and updating curriculum, ensuring alignment with educational standards
- Applied leadership skills from my Sergeant experience to effectively manage and mentor a diverse student group

### Language House Mentor

Jan 2024 – Aug 2024

*University of Maryland College Park*

*College Park, MD*

- Led a group of people in language immersion programs, driving significant language improvement
- Organized and led cultural activities to enhance student engagement and development
- Tracked student progress and reported to the director, contributing to student recruitment and retention

## TECHNICAL SKILLS

**Languages:** Java, Python, Flutter, Dart, C, JavaScript, HTML/CSS, MIPS Assembly, OCaml, Rust

**Developer Tools:** VS Code, Visual Studio, Eclipse, Android Studio, Xcode, Matlab, Grace