JUHUN PARK

202-924-4546 | juhunpark32@gmail.com | juhun-park.web.app | LinkedIn | GitHub

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, SQL, HTML, CSS, JavaScript
- **Frameworks:** React, Flask, Bootstrap, Django, Pandas, Numpy, PostgreSQL, MediaPipe
- **Technologies:** Git, Linux, Anaconda3, VS Code, LaTeX, Eclipse, MS Office

EDUCATION

George Mason University — Fairfax, VA
BS Computer Science, ADVANCE Program — Expected May 2027

Northern Virginia Community College — Annandale, VA
AS Computer Science, GPA: 3.9; Dean's List '23, '24; Presidential Scholar '24 — Expected May 2025
Relevant Courses: Problem Solving&Programming, Object Oriented Programming, Data Structures&Algorithms, Calculus I/II/III

EXPERIENCE

Eduverse — December 2024 – Present
Backend Developer — Remote
- Implemented an ML-based recommendation algorithm using **Python** and **Django** suggesting user connections, personalized posts.
- Developed search endpoint using **Django ORM**, **PostgreSQL** to query profiles and posts with filters for names, skills, post types.
- Collaborated on API testing, debugging using **Postman** and **Git**, ensuring profile post-related functionality achieved **98% accuracy**.
- Implemented backend features, search features with seamless **React** integration for frontend functionality, deployed using **Firebase**.
- Worked as a team of 6 to develop and deploy scalable backend services, ensuring high availability and performance.

21Cen. English & Math Academy — July 2024 – August 2024
English Instructor — Incheon, South Korea
- Improved 14 high school students' grades by average 30%, significantly improved understanding of English concepts and structures.
- Saved 20% of class time by developing 10 custom lesson plans, addressing the specific needs and objectives of all 14 students.

Himedia Academy — January 2023 – April 2023
Full-stack Developer Apprenticeship — Seoul, South Korea
- Full-time development training consisted of 10 apprentices, on **Java**, **Python** backend application and practical workspace training.
- Developed foundational skills in web development techniques using **Bootstrap**, **HTML/CSS**, **JavaScript**, and **Oracle DBMS**.
- Focused on backend development skills; object-oriented programming, data structures and algorithms, unit testing, and debugging.
- Led a **team of 4** and improved workflow efficiency by reducing **30%** of development time by utilizing **Git**, **Github** and **Notion**.

Science Research Program, Gimpo Highschool — March 2021 – November 2021
Student Researcher — Gimpo, South Korea
- Led a research project, developed and tested a motion detection application using **Numpy**, **OpenCV**, **PyAutoGUI** and **MediaPipe**.
- Authored a scientific research paper detailing the project methodology, test results, and implications for future research plans.

PROJECTS

Project Verstappen | GitHub | Python, Shared Memory API, OpenCV, AC/acsys module — 2025
- Integrated the **Assetto Corsa Shared Memory API** and **AC/acsys module** for real-time session telemetry, vehicle data for analysis.
- Utilized preprocessing pipelines using **OpenCV** to extract track lines for lane detection.

Formula One Statistics | GitHub | Flask, React, PostgreSQL, OpenF1 API, Firebase, Docker, Google Cloud Run — 2025
- Designed a comprehensive database schema using **Python** and **PostgreSQL** to store championship points allocations data.
- Implemented backend API using **Flask** to fetch, filter, store, update data from OpenF1 API, with data tables and interactive graphs.
- Developed frontend interface with **React** for users to navigate through updated driver/constructor standings and grand prix statistics.

EXTRACURRICULAR ACTIVITIES

Web Developer Volunteer, InsightLegi DataStorm '25 | GitHub | React, Bootstrap, Firebase — January 2025
- Developed a static website using **React** and **Bootstrap** to promote Hackathon 2025, including event details and registration process.
- Deployed the project on **Firebase Hosting**, enabling fast and scalable access.

PatriotHacks '24 | GitHub | React, Github Pages — October 2024
- Participated in a 36-hour hackathon event, collaborated with 3 team members to develop a **React** web application that provides information about government spending of tax revenue on incarceration, and solutions to reduce spending on prison facilities.

CodePath Technical Interview Prep Course - *TIP102* — May 2024 – August 2024
- Improved problem-solving skills of data structures and algorithms of heaps, trees, linked lists, and hashmap through **60+** problems.
- Enhanced communication and analytical thinking skills by collaborating with **5 team members** from various cultural backgrounds.

President of Software Developer Student Club, Gimpo Highschool — August 2020 – March 2022
- Led **40** club members, supported their projects and academic success, recieved **100%** positive feedback from members and mentors.
- Organized two successful project demonstration event, coordinated logistics, presentations, and attendee engagement.
- Invited a published author in AI for a Q&A, facilitated understanding of AI concepts and inspired a new AI application project.