

JUHUN PARK

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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

BS Computer Science, ADVANCE Program

Fairfax, VA

Expected May 2027

Northern Virginia Community College

AS Computer Science, GPA: 3.9; Dean's List '23, '24; Presidential Scholar '24

Annandale, VA

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** suggesting user connections and personalized posts.
- Developed search endpoint using **Django ORM, PostgreSQL** to query profiles and posts with filters for names, skills, post types.
- Designed and integrated post management features including comments, likes, saves, shares, and favorites.
- Collaborated on API testing, debugging using **Git**, ensuring profile management, post-related functionality achieved **98% accuracy**.

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

Java Backend Developer Apprenticeship

Seoul, South Korea

- Full-time backend development training consisted of 10 apprentices, on **Java, Python** 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 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

2024

- 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

2024

- 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

Backend Developer Volunteer, InsightLegi DataStorm '25 | [GitHub](#) | React, Bootstrap, Firebase

November 2024

- 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 36 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.