JUHUN PARK

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

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, SQL, JavaScript
- **Frameworks:** React.js, Flask, Bootstrap, Django, Pandas, Numpy, PostgreSQL, MediaPipe, Tailwind
- **Technologies:** Git, Linux, Docker, Firebase, GCP

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
Full-stack Developer Intern — Remote

- Implemented search, post features, optimized React integration efficiency by **50%**, reducing search query response time by **20%**.
- Developed search endpoint using Django ORM, PostgreSQL to query profiles and posts with filters for names, skills, and post types.
- Redesigned the frontend using React and Bootstrap, resulting in **50%** reduction in page load time, **30%** decrease in API fetch time.
- Collaborated as a team of 5 on API testing using Postman and cURL, achieved **98% accuracy** for profile and post-related features.

Himedia Academy — January 2023 – April 2023
Full-stack Developer Apprenticeship — Seoul, South Korea

- Mastered core web development technologies and REST API development using HTML/CSS, JavaScript, Bootstrap, Oracle DBMS.
- Acquired backend development skills of Object-oriented programming, data structures and algorithms, unit testing, debugging.

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 utilizing Numpy, OpenCV, PyAutoGUI, and MediaPipe.
- Improved application accuracy of the motion-controlled pointer by **25%** through optimization of MediaPipe and OpenCV code, resulting in a **20%** performance enhancement.
- Demonstrated strong research and communication skills, authored comprehensive scientific research paper documenting the project.

PROJECTS

Project Verstappen — GitHub — Python, Shared Memory API, OpenCV, AC/acsys module — 2024

- Developed a real-time telemetry and data analysis system: Successfully integrated the Assetto Corsa Shared Memory API and AC/acsys module to extract real-time session telemetry and vehicle data for in-depth analysis.
- Utilized OpenCV to develop, implement advanced image processing pipelines for accurate track line extraction and lane detection.

FO Statistics — GitHub — Flask, React, Tailwind CSS, OpenF1 API, FastF1 API, Firebase, Docker, GCP — 2024

- Developed a robust backend API using Flask to fetch, filter data from the OpenF1 and FastF1 APIs, for **100+** data tables and graphs.
- Created an intuitive and user-friendly interface: Designed and developed a highly interactive frontend using React and Tailwind CSS, providing users with seamless navigation through updated driver/constructor standings and comprehensive grand prix statistics.
- Successfully deployed a production-ready backend API on Google Cloud Run utilizing Docker for containerization and leveraged Firebase for secure and efficient hosting of the React frontend.

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.

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* | Certificate — 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.