JUHUN PARK

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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
Software Engineer Intern — Remote

- Developed search endpoint using Django ORM, PostgreSQL to query profiles and posts with filters for names, skills and post types, optimized React integration efficiency by **50%**, reducing search query response time by **20%**.
- 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

- Developed core web applications using HTML/CSS, JavaScript, Bootstrap and Oracle DBMS.
- Implemented backend features utilizing Object-oriented programming, data structures and algorithms, unit testing and 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 data analysis solution for sim racers with reduced costs by **30%**, increased user ingagement with telemetry data by **70%** by providing more approchable UI/UX for information with steep learning curve.
- 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.
- Designed and developed an intuitive and user-friendly interface and interactive frontend using React and Tailwind CSS, providing users with seamless navigation through updated driver/constructor standings and comprehensive grand prix statistics.
- Deployed a production-ready backend API with **99% uptime** on Google Cloud Run utilizing Docker for containerization and leveraged Firebase for secure and **30%** more cost efficient hosting of the React frontend compared to previous deployment.

EXTRACURRICULAR ACTIVITIES

Web Developer Volunteer, InsightLegi DataStorm '25 | GitHub | React, Bootstrap, Firebase — January 2025

- Developed a static website using **React** and **Bootstrap** to promote InsightLegi DataStorm 2025, including event details.

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.