JUHUN PARK

202-924-4546 · juhunpark32@gmail.com · linkedin.com/in/juhun-park · github.com/juhun32

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 (All Semesters) — *Expected May 2025*

Relevant Courses: Problem Solving and Programming, Object Oriented Programming, Data Structures and Algorithms, Discrete Structures, Calculus I, II, III

SKILLS

Languages: Python, Java, SQL, HTML, CSS, JavaScript
Frameworks: Tensorflow, MediaPipe, Pandas, React, Flask, PostgreSQL, Numpy
Technologies: Git, Anaconda3, VS Code, LaTeX, Eclipse, MS Office
Certifications: CodePath Technical Interview Prep (2024), HackerRank Python Basic (2024), HackerRank Java Basic (2024)

EXPERIENCE & ACTIVITIES

InsightLegi DataStorm 2024 Volunteer | GitHub — November 2024
- Managed logistics, participant data and provided technical support for participants and mentors for a 36-hour hackathon event.
- Contributed to social media promotion and event planning, resulting in 1000+ views.

PatriotHacks 2024 Participant | GitHub — 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.

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

English Instructor | *21Cen. English / Math Academy, Incheon, South Korea* — July 2024 – August 2024
- Provided one-on-one tutoring sessions to 14 high school students, helped students improve their grades by 30% and understanding of English concepts and structures.
- Developed customized 10 lesson plans by addressing the specific needs and learning objectives of 14 individual students, resulting in total of 20% time saved each tutoring sessions.

Backend Developer Apprenticeship | *Himedia Academy* — January 2023 – April 2023
- Backend development training course consisted of 10 participants, focused learning of Java development and practical workspace training based on 8-hours per session curriculum.
- Developed foundational skills in Java development, object-oriented programming, data structures, and Oracle DBMS through one-to-one focused learning sessions.
- Managed team projects by utilizing Git and Notion to enhance collaboration and track progress, resulting in improved workflow efficiency and successful project completion.

Software Developer Student Club of Gimpo Highschool | *Club President* — August 2020 – March 2022
- Managed 36 club members ensuring smooth progress of their personal projects while ensuring their academic success in high school, received positive feedback from peers and club mentors.
- Organized two successful project demonstration event for 5 club members by coordinating logistics, presentations, and attendee engagement whilst securing Covid-19 pandemic safety.
- Invited a published author in artificial intelligence for a Q&A session with club members, facilitating an engaging discussion that deepened understanding of AI concepts and inspired a new group on AI advancements project.

Motion Detection AI Research Program | Gimpo Highschool Student Researcher — March 2021 – November 2021
- Developed and tested a Python AI powered motion detection program using MediaPipe model for a student research project.
- Authored a scientific research paper detailing the project methodology, results, and implications for future research plans.

PROJECTS

Formula 1 Driver Championship Statistics
- Utilized: Python, Flask, React, PostgreSQL, OpenF1 API
- Designed a comprehensive database schema using Python and PostgreSQL to store championship points allocations.
- Implemented backend logic using Flask to fetch data from OpenF1 APIs and generate various visualized charts.
- Developed a frontend interface with React for users to view updated driver standings and statistics.
- Created automated scripts to fetch and update race data from OpenF1 API using Python.

iOS Calculator | GitHub
- Utilized: HTML, CSS, JavaScript, Git
- Developed a functional calculator that mimics iOS design and functionality.
- Implemented responsive design techniques to ensure optimal performance across desktops, tablets, and mobile devices.