

JUHUN PARK

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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 (All Semesters)

Annandale, VA

Expected May 2025

Relevant Courses: Problem Solving and Programming, Object Oriented Programming

SKILLS

Languages: Python, Java, SQL, HTML, CSS, JavaScript

Frameworks: Pandas, React, Flask, PostgreSQL

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

PatriotHacks 2024 | [GitHub](#)

October 2024

- Participated in a 36-hour hackathon event, collaborated with 3 team members to develop a React web application that provides informations 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 hashmaps 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.

Himedia Academy Backend Developer Course

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 highschool, 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.