JUHUN PARK

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Relevant Links: linkedin.com/in/juhun-park | github.com/juhun32
Programming Languages: Python, Java, SQL, HTML, CSS, JavaScript, Go/Golang
Frameworks: React, Flask, Django, Tensorflow, Pandas, Numpy, PostgreSQL, MediaPipe
Technologies: Git, Anaconda3, VS Code, LaTeX, Eclipse, MS Office

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

WORK EXPERIENCE

English Instructor | *21Cen. English / Math Academy, Incheon, South Korea*   July 2024 – August 2024
- Taught 14 high school students, helped students improve their grades by 30% and understand advanced English concepts, structures.
- 20% of class time saved by developing 10 custom lesson plans by addressing the specific needs and objectives of all 14 students.

Backend Developer Apprenticeship | *Himedia Academy*   January 2023 – April 2023
- 40hr/week full-time backend development training consisted of 10 apprentices, on Java application and practical workspace training.
- Developed foundational skills in web development using Bootstrap, HTML/CSS, JavaScript, and Oracle DBMS.
- Focused on backend development; object-oriented programming, data structures, unit testing, and debugging.
- Led a team and improved workflow efficiency by reducing 30% of development time by utilizing Git and Notion to enhance communication and track progress.

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

WORK EXPERIENCE

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 communication and analytical thinking skills by collaborating with 5 team members from various cultural backgrounds.

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.

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.