Inhwa Jaden Chang

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EDUCATION

Carnegie Mellon University — Aug. 2023 – Present
Bachelor of Science in Statistics and Machine Learning
Expected Graduation: May 2029
Cumulative GPA: 3.68/4.00
CMU Dietrich College Dean's List (All Semesters)

Korea International School — Jan. 2020 – May 2023
Cumulative GPA: 4.05/4.00 (weighted)
KIS Mathematics Department Recognition Award (May 2023)

EXPERIENCE

Fire Direction Specialist (Paid) — Sept. 2024 – Present
Republic of Korea Army Artillery School
- Instructed 600+ officers yearly on analyzing meteorological and artillery-performance data to conduct fire missions
- Coordinated translations on Tactics and Maintenance for 40 officers from 5 countries at Korea-Army Int'l Course

Support & Outreach Assistant (Paid) — Dec. 2023 – Sept. 2024
Carnegie Mellon University CS Academy
- Supported Python-educators from 2000+ schools globally through Helpdesk and professional development sessions
- Developed Media Kits to streamline curriculum approval process for potential users, cutting their effort by 60%

Research Assistant — May 2024 – Aug. 2024
CMU Summer Undergraduate Research Apprenticeship
- Optimized journal-dataset from The Bulletin of the Center for Children's Books for text mining and analysis
- Juxtaposed automation process using R/Python with manual cleaning, enhancing the integrity of DB by 40%

Web-Development Intern (Paid) — Jun. 2024 – Aug. 2024
Cedarstone
- Facilitated website development for a start-up business consulting firm, establishing digital presence at launch
- Collaborated with the CI designer to construct and embed a cohesive brand identity within a 2-months deadline

PROJECTS

Integrated Artillery Maintenance System | *HTML/CSS, GitHub* — Apr. 2025 – Jun. 2025
- Led four-member team to 1st place out of 144 teams in Applied Data Science Contest, earning 4-star general award
- Built interactive interface for a maintenance-forecast tool to solve logistic inefficiency and simplify DB utilization
- Partnered with maintenance officers to identify on-field gaps and ensure wider applicability across the military

King of the Pacific | *Python, GitHub* — Oct. 2023 – Dec. 2023
- Designed front-end graphics and coded back-end logic for an engaging online Battleship game
- Implemented adaptable algorithmic opponent that considers optimal attacks and ship placements for each level
- Leveraged object-oriented programming in tracking the status of each ship, improving code maintainability by 30%

SKILLS

Programming: Python (Proficient), C (Proficient), SQL (Intermediate), R (Beginner)
Tools: GitHub, HTML/CSS, VS Code, PyCharm, PowerPoint, Google Cloud Platforms
Languages: English (Native), Korean (Native), Chinese (Conversational Fluency), Spanish (Beginner)

ACTIVITIES

Varsity Track and Field — Feb. 2020 – May 2023
- Secured 1st place in the 2022 KAIAC Championship 4x100m relay, the team's first victory since its founding
- Guided relay team drills and competed in track meets, fostering grit and discipline within the team culture