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Mingi Lee

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Education and Honors

Grinnell College   **August 2017 - May 2023**

- Bachelor of Arts in Computer Science with Statistics Concentration
- Cumulative GPA: *3.87 / 4.0*, Major GPA: *4.0 / 4.0* (Dean's List)
- Relevant Coursework: Analysis of Algorithms, Software Design and Development, Object-Oriented Programming, Intro to Reinforcement Learning, Data Science, Statistical Modeling, Graph Theory

Tapia 2022 Conference Scholarship   **August 2022**

- Received Tapia scholarship, an award reviewed by over 90 professionals in industry and academia.

Grinnell College Research Scholarship   **July 2022**

- Selected among eight lab members to receive full funding for the ISRE 2022 conference.

Specialized Skills

Languages: Java, R, C, HTML, CSS, JavaScript, Python, Racket

Tech Experience

Research Assistant   **ELBICA Lab, Grinnell College**   **May 2022 - August 2022**

- Investigated coordination challenges in multi-agent systems by designing and implementing testbeds with 270 agents to assess reinforcement learning algorithms in Webots using **Java**.
- Researched cognitively inspired computational architecture by conducting a literature review on affective computing and presenting it to the advisor every week.

Teaching Assistant   **Computer Science Department, Grinnell College**   **August 2021 - Present**

- Mentored students by guiding labs, creating practice quizzes, and holding weekly mentor sessions (Fall 2021 – Imperative Programming in **C**, Spring 2022 – Software Design and Development in **R**, Fall 2022 – Operating Systems and Parallel Algorithms in **C**).
- Received positive feedback from both students and faculty mentors, resulting in return offers.

SDE Intern / Translator   **Genicle, Seoul**   **May 2020 - July 2020**

- Advertised the prototype product of a bioengineering startup company by creating web pages using **HTML, CSS, and JavaScript** (genicle.com / medisen.co.kr).
- Translated live meetings and documents to conclude a contract with a cell banking company.

Additional Professional Experience

Sergeant   **Republic of Korea Army**   **June 2018 - January 2020**

- Facilitated the reserve force training by giving a demonstration of individual combat skills.
- Earned an award from Corps Commander for accurately arranging reserve force training sessions in the administration system with the best examination results in Gapyeong County.

Programming Projects

Reinforcement Learning Algorithm Testbed (Java, Webots)   **April 2022**

- A testbed for a reinforcement learning algorithm (hysteretic q-learning) to assess different parameters and environments in a multi-agent matrix game.

Anti-Drowsiness HUD (Java, Android Studio)   **January 2022**

- An Android Head-up Display App that can be placed under the front window of a car to prevent drowsiness with the watching-eye effect.

Graduate School Program Finder (R, Shiny)   **December 2021**

- An interactive Shiny app to browse graduate school programs filtering by location, area of study, degree, tuition, and other criteria.