

Education

Grinnell College	Expected May 2023
<ul style="list-style-type: none">Bachelor of Arts in Computer Science (Statistics Concentration)Cumulative GPA: 3.86 / 4.0, Major GPA: 4.0 / 4.0Relevant Coursework: Analysis of Algorithms, Software Design and Development, Object-Oriented Programming, Intro to Reinforcement Learning, Data Science, Statistical Modeling, Graph Theory	
The University of Iowa (Dual-Enrollment)	Expected May 2024
<ul style="list-style-type: none">Master of Computer Science	

Specialized Skills

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

Research: Affective Computing, Reinforcement Learning, Data Visualization, Robot Simulator

Professional Experience

Research Assistant	ELBICA Lab	May 2022 - August 2022
<ul style="list-style-type: none">Investigated coordination challenges in multi-agent systems by designing and implementing testbeds 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.Selected among eight lab members to receive funding for the ISRE 2022 conference.		
Teaching Assistant	Grinnell College	August 2021 -
<ul style="list-style-type: none">Mentored students by guiding labs, creating practice quizzes, and holding weekly mentor sessions. (Fall 2021 – Imperative Programming in C, Spring 022 – Software Design and Development in R, Fall 2022 – Operating Systems and Parallel Algorithms in C)Got offers every semester by acquiring positive feedback from both students and faculties.		
Intern	Genicle	May 2020 - July 2020
<ul style="list-style-type: none">Advertised the prototype product of a bioengineering startup company by creating web pages using HTML, CSS, and JavaScript (geincle.com / medisn.co.kr).Translated live meetings and documents to conclude a contract with a cell banking company.		
Sergeant	Republic of Korea Army	June 2018 - January 2020
<ul style="list-style-type: none">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.Facilitated the reserve force training by giving a demonstration of individual combat skills.		

Programming Projects

Reinforcement Learning Algorithm Testbed (Java, Webots)	April 2022
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">An interactive Shiny app to browse graduate school programs filtering by location, area of study, degree, tuition, and other criteria.	