

Rachel Lee

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Permanent Address: 47589 Alpine Dr. Novi MI 48374

Education

University of Pennsylvania, Wharton School GPA: 3.9

Philadelphia, PA

- Candidate for B.S. in Economics, Concentrations in Finance & Business Analytics
- Intended submatriculation into accelerated M.S.E program in Computer & Information Science
- Dean's List 2022-2023 Academic Year

Aug 2022 - May 2026

Novi High School *Summa Cum Laude*

Novi, MI

- ACT Scores: Reading 36 | Writing 36 | Mathematics 36 | Science 36
- Top Scholar Award (Given to 3/520 students in class for perfect standardized test score and unweighted GPA)
- National Merit Semifinalist, AP Scholar with Distinction, Americorps President's Volunteer Service Award, English Department Award, Presidential Award for Educational Excellence
- Relevant Coursework: AP Calculus AB, AP Calculus BC, AP Computer Science, AP Micro/Macroeconomics, IB Business

Sept 2018 - May 2022

Extracurriculars

Wharton Korean Undergraduate Business Society

Aug 2022 - Present

- Participates in analysis and thorough discussions of business concepts (ROIC, Valuation, Competitive Advantage, Margins, Business Quality, etc.) as applied to relevant businesses and current events in weekly meetings
- Analyzes and interprets impacts of current business events in a bi-annual stock pitch as a part of the Business Analytics team

DECA (Distributive Education Clubs of America)

Sept 2019 - April 2022

- Placed in the top 20 internationally in the Marketing Management Team Decision Making event at a conference of over 17,000 participating students
- Achieved State & District Champion status in all three years of competition
- Worked with a partner to strengthen speaking, presentation, and critical thinking skills

Professional Experience

iCode Intern / Instructor

June 2023 - Present

- Led dynamic classroom sessions to elementary age students for 6 hours daily, resulting in a total of 325 hours of instruction throughout the program
- Developed and implemented engaging instructional content on a weekly basis to enhance understanding of basic coding, game and web development, robotics, and AI
- Orchestrated weekly final presentations for students to showcase newly acquired skills and communicate their progress

SAT/ACT Tutor

January 2022 - Present

- Mentored high school juniors in weekly one hour sessions focused on standardized testing
- Students attained an improvement average of 200 points in the SAT after 8 consecutive weeks of tutoring

MKSchool Assistant Teacher

Sept 2019 - June 2022

- Designed one presentation a week aimed at improving Korean writing and grammar in middle school students
- Managed groups of 10 students each in virtual lessons and facilitated breakout sessions to provide engagement to material

Skills

Computer Skills: Java (Proficient), LaTeX (Intermediate), Ocaml (Intermediate), R (Intermediate), Google Suite (Proficient), Microsoft Suite/VBA/Solver/Crystal Ball (Proficient), HTML/ CSS/ Javascript (Intermediate)

Languages: Native Korean, Elementary Spanish

Relevant Coursework: Programming Languages and Techniques, Mathematical Foundations of Computer Science (Discrete Math), Managerial Economics, Business Korean

Projects

Personal Website: Developed a fully functional personal website (HTML, CSS, Javascript), with interactive features such as the navigation bar, action responsive buttons, and responsive design that ensures compatibility across different devices

[URL: rachllee.github.io]

Paint!: Programmed a paint application (OCaml) that lets users draw pictures on a webpage with a selection of different colors, lines, and shapes, featuring a RGB color slider and an undo button

Minesweeper: Designed and implemented a Minesweeper game application (Java) that lets users play with randomly generated bomb locations, place and remove flags, see their status on a progress bar, and save their progress upon exit to return to later