

Hannah E. Choi

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Princeton University sophomore majoring in Computer Science with minors in *Finance* and *Statistics and Machine Learning*. Experience using coding and data analysis to develop user-centered applications and predict market growth. Eager to solve complex problems, collaborate and learn from professionals, and contribute to real-world analysis projects.

EDUCATION

Princeton University

Bachelor of Science in Engineering in Computer Science

Princeton, NJ

Sep. 2023 – May 2027

- Pursuing certificates in *Finance* and *Statistics and Machine Learning*
- Relevant Coursework: Computer Science, Data Structures and Algorithms, Linear Algebra, Statistics, Programming Systems, Machine Learning, Financial Investments
- Activities: Hoagie Club, The Daily Princetonian Data Team, PPop Up, Korean Students Association

The London School of Economics and Political Science

LSE Summer School

London, United Kingdom

Jun. 2024 – Jul. 2024

- Coursework: Microeconomics, Behavioral Economics

Korea University

International Summer Campus

Seoul, South Korea

Jun. 2023 – Aug. 2023

- Coursework: Multivariable Calculus

EXPERIENCE

Computer Science Department | Princeton

Grader and Precept Assistant

Sep. 2024 - Present

Princeton, NJ

- Grade and provide feedback to student's programming assignments and exams
- Work alongside Dr. Alan Kaplan to help students on active learning exercises and answer questions during precept

Hoagie Club | Princeton

Apps Team Software Engineer

Sep. 2024 - Present

Princeton, NJ

- Collaborated with a team to design and develop innovative campus applications, enhancing student engagement and campus life.
- Contributed to HoagiePlan, an application to help Princeton students plan out their courses, which accumulated over seven hundred users

Hackathon | HackHarvard

Team Member

Oct. 2023

Boston, MA

- Developed a user-oriented app using Java and Python to enhance audio recording capabilities.
- Implemented machine learning algorithms by stacking classifiers to classify types of violent crimes
- Directed classified crime information to professionals to ensure timely and effective responses

MathWorks Math Modeling Challenge | SIAM

Team Leader

Mar. 2023

Remote

- Modeled growth of electric bike sales and predicted future usage by identifying and quantifying underlying causes
- Applied engineering principles to solve complex problems through sound data analyses and regression models.

Youth Environmental Leadership Program

U.S. Chapter Co-Founder, President

May. 2020 – Jun. 2023

Fort Lee, NJ

- Founded the U.S. Chapter of the Organization, launched community campaign using social media and researched environmental issues
- Developed a website using HTML, CSS, and JavaScript to raise awareness about environmental issues, promote sustainable practices, and engage the community in conservation efforts

TECHNICAL SKILLS

Programming Languages: C/C++, Java, Python, JavaScript, TypeScript, HTML/CSS, R

Frameworks: Flask, Django, Node.js, React.js, Tailwind CSS

Other: PostgreSQL, Git, AWS

Certification: C Certified Associate Programmer & C++ Certified Entry Level Programmer (issued by C++ Institute), PH525.1x: Statistics and R (issued by HarvardX)

Language: English, Korean, Spanish