Aileen Du

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EDUCATION

Wellesley College, Wellesley, MA   Expected May 2027
Candidate for Bachelor of Arts in Computer Science and Math | Cumulative GPA: 3.75
- Relevant Coursework: Combinatorics & Graph Theory, Introduction to Python, Java and Data Structure, Linear Algebra

Massachusetts Institute of Technology, Cambridge, MA   Sep 2024 - Present
Cross-registered student
- Relevant Coursework: Introduction to Algorithms

EXPERIENCE

MIT media lab, Opera of the Future, Cambridge, MA   Sep 2024 - Present
Research Assistant (Dallas Project)
- Collaborated with interdisciplinary teams to design an interactive learning center for the Dallas Symphony Orchestra (DSO), leveraging technology to enhance educational experiences.
- Self-taught and implemented TouchDesigner to create real-time tracking of body movements, mapping them to emotion-related colors, resulting in an immersive, data-driven visual experience.
- Led in technical ideation and contributed to project development, applying skills in software integration, data visualization, and user experience design to advance project objectives.

Pforzheimer Learning and Teaching Center(PLTC) Peer Tutor, Wellesley, MA   Sep 2024 - Present
- Provide 1:1 and group tutoring for Calculus I, helping improve students' mathematical understanding and problem-solving skills.

Circles Golf Internship, Shanghai, China/Auckland, New Zealand   Feb 2023 - August 2023
CEO assistant
- Assisted in organizing the CEO's business trip, including translating and managing logistics.
- Organized monthly seminars for international business development using Zoom and other digital platforms.

Pioneer Academics Researcher   Feb 2022 - July 2022
- Authored a 12-page research paper on using descriptive social norm messages to encourage young girls to enter STEM, mentored by Babson College Professor Krista Hill-Cummings.
- Conducted research using Python for data analysis to draw meaningful insights.

Polygence Researcher   June 2021 - Sep 2021
- Analyzed golf datasets using Pandas and built multivariable linear regression models to predict final golf scores based on key variables.
- Developed Python scripts to automate data cleaning and preprocessing for large datasets.

EXTRACURRICULARS

Coding Club, Wellesley, MA   Sep 2023 - Present
- Competed in the ICPC International Collegiate Programming Contest.
- Engaged in weekly problem solving sessions tackling coding challenges in a collaborative environment.

Wellesley College Varsity Golf, Wellesley, MA   Sep 2023 - Present
Co-Team Captain
- Lead team practices, organizing over 20 hours per week of training and tournament participation.
- Foster teamwork and resilience, contributing to improved team performance.

Blue Notes Acapella, Wellesley, MA   Sep 2023 – Present
Vice President
- Involved in rehearsal scheduling, event coordination, and member recruitment

SKILLS

Programming Languages & Tools: Python, Java, Pandas, Git, Microsoft Office Suite (Word, Excel, PowerPoint)
Languages: Fluent in English and Mandarin