Audrey Shin

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EDUCATION

Wellesley College **Expected May 2026**
Candidate for B.A. in Computer Science and Economics Wellesley, MA
- Relevant Coursework: Behavioral Economics, Game Theory, Theory of Computation, Data Structures, Algorithms, Modeling for Computer Systems, Econometrics, Psychology

Massachusetts Institute of Technology **January 2023 - Present**
Cross-registered student Cambridge, MA
- Relevant Coursework: Fundamentals of Programming, Mathematics for Computer Science

EXPERIENCE

Seoul National University AI Policy Initiative Research **December 2024 - Present**
Fellow Seoul, South Korea
- Conduct research on fairness benchmarks in algorithmic decision-making to address self-preferencing in tech platforms.
- Develop a framework for evaluating self preferencing in regulatory and ethical compliance in ranking systems.

Community Capital Technology **June 2024 - Present**
Intern New York, NY
- Develop interactive network graph using D3.js to visualize and map CDFI data, working with the New York Federal Reserve, identifying key hubs for targeted outreach.
- Author a detailed user guide for the loans marketplace platform, improving user experience and accessibility.

MIT Sloan School of Management **May 2024 - August 2024**
Quantitative Finance Undergraduate Researcher Cambridge, MA
- Analyzed biotech data to evaluate changes in secular trends and aggregate abnormal profitability pre- and post-FDA approval, utilizing Python and Pandas for method refinement and data visualization.
- Created and reported detailed visualizations, effectively communicating findings to support data-driven decision-making.

Bessemer Trust **May 2023 - July 2023**
Extern New York City, NY
- Conducted research on AI chatbots through competitor analysis, interviews with company employees, and interaction with AI bots using custom-designed questions to present findings to 50+ employees to share company recommendations.
- Created comprehensive weekly reports encompassing AI news, legal matters, PR, and marketing to increase AI knowledge for the digital team.

MIT Computer Science and Artificial Intelligence Laboratory **February 2023 - August 2023**
Undergraduate Researcher - Document Processing Lab Cambridge, MA
- Developed Python algorithms leveraging a convolutional neural network to extract key value pairs from thousands of PDF documents to expedite the process by 24x of locating model specifications for mechanical engineering companies.

Undergraduate Researcher - Healthcare Interoperability
- Co-authored 22 page manuscript, "Pragmatic Approaches to Interoperability – Surmounting Barriers to Healthcare Data and Information Across Organizations and Political Boundaries" published in Telehealth and Medicine Today.

MIT Hacking Medicine **September 2022 - March 2023**
Undergraduate Researcher Cambridge, MA
- Developed program to analyze gross revenue of 114 Boston-based biotech startups over Covid-19 pandemic using Python that identifies patterns contributing to startup success to determine effective industry strategies.
- Conducted informational interviews with biotech industry workers to specify qualitative factors of startup success.

Unmute **May 2021 - January 2023**
Intern Boston, MA
- Researched 100+ venture capital firms and angel investors to identify funding sources, which generated $30k increase in funding.
- Created 3 Google Ad campaigns and designed UI of ad landing pages to increase platform visibility to marginalized communities.
- Oversaw Reddit ad campaign that reached 50,000 potential therapy seeker clients.

SKILLS

Computer: Python, Java, C, Rust, Alloy, CSS/HTML, Salesforce, Hubspot, Excel
Language & Music: German, Korean, Piano, Cello, Electric Guitar