

# Autumn Artist

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## EDUCATION

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**Massachusetts Institute of Technology (MIT),** Cambridge, Massachusetts Expected Graduation: **June 2025**  
*Candidate for Bachelor's in Cognition and Computation*  
*Relevant Coursework:* Introduction to Algorithms, Introduction to Computational Thinking and Data Science, Fundamentals of Programming, Introduction to Machine Learning, Robotics: Science & Systems, AI Design-Making and Society

## WORK EXPERIENCE

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**MIT Brain & Cognitive Science** Cambridge, MA September 2024 - Present  
*Modeling Neuronal Recording Signals in Mice*

- Analyzing neural photometry and behavioral video data through visualization and machine learning models to understand decision-making and motor skill formation
- Enhancing skills in data visualization, big data analysis, and neural data processing while contributing to innovative techniques in behavioral neuroscience.

**Google** Atlanta, GA May 2024 - August 2024  
*Software Engineering Intern*

- Developed and integrated user interfaces in TaskFlow, to significantly improve usability and user navigation within workflow management using **TypeScript** and **HTML**.
- Customized workflows enabling teams to personalize and modify development processes to better align with their specific preferences and objectives, thus fostering greater flexibility and efficiency.
- Developed a backend solution to enable workflow definition deprecation and filtering, enhancing user experience and workflow management efficiently in **Kotlin**.

**Google** Sunnyvale, CA June 2023 - September 2023  
*Software Engineering Intern*

- Improved performance and efficiency of google hardware and technical infrastructure by collecting, visualizing and analyzing data to create an automated dashboard allowing easier communication between hardware and software engineering teams.
- Enhanced google workloads through data processing and query optimization using **SQL**

**Intel Corporation** Virtual June 2022 - September 2022  
*Data Analytics Intern*

- Analyzing substantial sets of data on computer vision/computer architecture using **C++** and **C#**
- Developed and tested 7 background subtraction algorithms to take in a video source file and output time taken to compute the BGS using appropriate openCV APIs, and provide a high quality video of only foreground

## LEADERSHIP EXPERIENCE

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**National Society of Black Engineers (NSBE)** Cambridge, MA May 2023 - June 2024  
*President*

- Delegated responsibilities to a 13-person cabinet, driving impactful and innovative initiatives to serve over 200 black students, promote academic excellence and foster professional development.
- Managed a \$200,000 budget, securing additional funding through strategic partnerships, grants, and sponsorships.

**National Society of Black Engineers (NSBE)** Cambridge, MA May 2022 - May 2023  
*Programs Chair*

- Organized activities for the members, coordinating with speakers/companies to arrange logistics and promote events
- Schedule and facilitate activities with other local/national chapters to increase community among members/chapters

## SKILLS

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- Mandarin (5yrs)
  - Python (4 yrs), Java (3 yrs), Javascript (3yrs), Unity, C#, C++, SQL, ROS2, HTML, Typescript, Kotlin