

Sydney Meza

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EDUCATION

Brown University

Providence, RI | **Expected Graduation May 2026**

Bachelor of Arts in Computer Science & Bachelor of Science in Design Engineering, GPA: 4.0

Awards: Chief Manuelito Scholar, College Horizons Scholar, Native Risings Fellow

Relevant Courses: Program Design with Data Structures and Algorithms, Introduction to Object-Oriented Programming and Computer Science, Introduction to Software Engineering, Introduction to Engineering, User Interface/User Experience, Design Brief, Dynamics and Vibrations

ACADEMIC PROJECTS

Intro to Software Engineering, *Java and Typescript*

September 2023 – December 2023

- Collaborated with a variety of partners on 'sprints' that focused on designing, building, testing, and maintaining systems
- Implemented programming techniques with Java and Typescript on projects and did advanced testing such as fuzz testing
- Final project with a group of four to create a web app with a recommendation algorithm that drew from an API

Program Design with Data Structures and Algorithms, *Java and Python*

January 2023 – May 2023

- Designed a machine learning algorithm that uses training data to make predictions in new situations
- Developed strategies to test and debug complex programs
- Implemented Breadth First Search and Djijkstra's Algorithm to produce paths based on inputted graph data

User Interface/User Experience, *HTML/CSS, JavaScript, REACT, Typescript, Figma*

January 2024 – Present

- Experienced working with a team to create a high fidelity Figma prototype from a project brief received from a startup.
- Exercises with journey mapping, storyboarding, A/B testing, conducting competitive analysis and going through the design process to build a portfolio.

Design Brief, *Fusion 360*

January 2024 – Present

- Gained experience with the concepts that ground design thinking, the application of engineering concepts to inform design decisions, and experience with design engineering.
- Worked with a team over the course period to do design research, materials research, life cycle assessment, etc. and went through multiple iterations to redesign a toaster, power strip, and step stool. Only a high fidelity prototype was made for the power strip.

WORK EXPERIENCE

Brown Theater Department, *Assistant Stage Manager*

Providence, RI | March 2024 - Present

- Developed skills to work with multiple people, to optimize rehearsal process, along with preparing for production.
- Gained experience organizing paperwork, emailing different organizations, and planning for a large live event.
- Increased assertiveness as well as friendliness to get along with cast and crew.

Summit Inn Pizza Company, *Team member*

Kamas, UT | June 2019 – January 2023

- Collaborated with other team members to maximize our earnings.
- Developed cooking skill to make pizza sauce, make and roll pizza dough, and prep for other ingredients.
- Provided excellent customer service by resolving any issues and answering questions while handling transactions.

LEADERSHIP EXPERIENCE

Brown University Mosaic Plus, *Web Development Chair*

Providence, RI | January 2023 – January 2024

- Helped organize events where different people could socialize and use these events for support with their classes.
- Currently maintaining the current website, making sure that all the information is up to date.
- Helped in fostering a community for those that are underrepresented in Computer Science.

Brown University Latinx House, *Out of House Liaison*

Providence, RI | December 2023 – April 2024

- Organized community-building events and educational campaigns for over 100 members to provide a space of safety and belongings

Brown University Natives at Brown, *Financial Signatory*

Providence, RI | September 2023 – Present

- Track Natives at Brown's spending line by line to ensure that Natives at Brown does not exceed the amount of funds within the group's budget.

SKILLS & INTERESTS

Computer Languages: Proficient in Java, HTML, CSS, Python, JavaScript, Typescript, REACT, MATLAB, REACT, Beginner in C++, Arduino, RaspberryPi,

Software: VSCode, IntelliJ IDEA, Microsoft Office, Adobe Creative Suite, Google Apps, Canva, GitHub, Fusion360, Figma,

Shop: Woodwork, 3D Printing, Laser Cut, Electronics, Basic Metalwork & Machining, Sewing,