

# Miguel Chavez Nava

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## EDUCATION

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### Emory University

*B.S in Computer Science, B.A in Film & Media Studies*

Atlanta, GA

Aug. 2023 – May 2027

### Advanced Technologies Academy

*CTE Program Certification in Computer Science and Game Development*

Las Vegas, NV

Aug. 2019 – May 2023

## EXPERIENCE

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### Emory Department of Dining

*Student Assistant*

Aug. 2023 – Present

Atlanta, GA

- Assisted 50 students weekly with issues relating to meal swipes and food vendors at Emory University
- Managed 20 phone calls per month to coordinate events and assist people with dining resources

### Independent Filmmaker

*Short Films & Promotional Videos*

Jan. 2025 – Present

Atlanta, GA

- Managed pre-production tasks like casting, location scouting, and budgeting
- Edited video content using Adobe Premiere Pro for color grading and sound design
- Collaborated with actors and other filmmakers to film scenes with proper framing and lighting

## PROJECTS

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### Raging Gambler | C++, Unity, GitHub

Feb. 2025 – May 2025

- Developed a top-down action arcade-style video game with a group of programmers
- Players progress through rooms, being able to purchase buffs and de-buffs for their character and enemies to achieve a high score
- Created algorithms and systems to have the game slowly progress in difficulty through increasing status changes
- Used Github to push and pull the different parts each person worked on to create a complete experience
- Demonstrates game development knowledge and collaboration skills to create a project

### PPM Image Transformation | C, UNIX

Jan. 2025

- Built an image transformation program in two weeks that accesses the data of a PPM image file using structs and changes that data
- Implemented terminal arguments to receive and create PPM image files and to have the user pick their transformation
- Created eight different transformation algorithms, such as grayscale and a mirror flip, accessing the image data to be manipulated
- Demonstrates an understanding of structs and algorithms to manipulate data within a file

### Auto-complete Program | Java

April 2024

- Created a program in two weeks that completes a given prefix word and adapts to user choices.
- Sorts through a list of 37,000 words to return completed words in less than one second
- Demonstrates understanding of different data structures, such as tries, to increase efficiency

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, HTML/CSS, Assembly, UNIX

**Developer Tools:** Unity, GitHub, VS Code