

# Angelo Dela Fuente

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## EDUCATION

### Rutgers University

*B.S. in Computer Science, Minor in Cognitive Science, GPA: 3.75/4.00*

New Brunswick, NJ

*Sept. 2022 – May 2026*

#### Relevant Coursework:

Introduction to Computer Science, Data Structures, Computer Architecture, Systems Programming, Software Methodology, Data 101, Calculus I, II, Discrete Structures I, II, Introduction to Linear Algebra

## PROJECTS

### iPhone Barcode Scanner | *Xcode, Swift*

June 2024 – July 2024

- Developed an iOS application using Xcode and Swift to scan barcodes, leveraging Apple VisionKit technology for efficient and accurate barcode recognition.
- Implemented a user-friendly interface with SwiftUI, managing camera access and handling real-time scanning feedback to enhance user experience.

### Custom Shell Implementation | *C*

March 2024 – April 2024

- Developed a command-line shell with commands (cd, exit, pwd) and support for external command execution.
- Implemented input/output redirection, command piping, and globbing for enhanced functionality.
- Managed command tokenization, state persistence, and interactive and batch modes for robust shell operations.

### Monopoly Recreation | *HTML, CSS, JavaScript, React*

July 2023 - September 2023

- Developed a Monopoly-inspired board game using React.js, showcasing proficiency in front-end web development.
- Utilized state management skills by employing React's state and props to control game flow, manage player data, and dynamically update the user interface based on player actions and events.

## EXPERIENCE

### Arcade Staff

*Branchburg Sports Complex*

May 2024 – Present

*Branchburg, NJ*

- Assisting customers with arcade games and providing customer service to enhance their experience.
- Maintaining and troubleshooting arcade machines to ensure smooth operation and minimize downtime.
- Handling cash transactions and managing inventory to keep the arcade area well-stocked and organized.

## TECHNICAL SKILLS

**Languages:** Java, Python, C, SQL, JavaScript, HTML/CSS, Swift, R

**Frameworks:** React, Node.js, Express.js, JavaSwing

**Developer Tools:** Git, Docker, XCode, VS Code, Visual Studio, dotenv, AWS EC2, RStudio

## CLUBS

### Rutgers University Mobile App Development

*External Relations Committee Chair*

New Brunswick, NJ

*May 2024 – Present*

- Participate in weekly meetings to plan and host events for general members.
- Collaborate with peers to develop strategies for improving member engagement and outreach.
- Organize events and workshops to support the learning and professional development of members.

### Habitat for Humanity

*General Member*

New Brunswick, NJ

*Sept. 2023 – Present*

- Participate in weekly meetings to discuss ongoing projects and organizational activities.
- Engage in community service activities, including building and renovating homes for those in need.

### Space Technology Association at Rutgers

*Weather Balloon Team Member*

New Brunswick, NJ

*Sept. 2022 – May 2023*

- Collaborated with a team to design, build, and launch a weather balloon equipped with sensors to collect data on temperature, humidity, and geographic coordinates.
- Conducted pre-launch testing and calibration of instruments to ensure accurate data collection and reliable performance during the flight.
- Participated in team meetings to discuss project progress, troubleshoot issues, and plan future improvements and launches.