

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.