

ALFONSO MARTIN BURROWS

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EDUCATION

Bachelor of Science in Computer Science, University of Florida, Gainesville, FL

Expected 2027

EXPERIENCE

Multimedia Production, *University of Florida*

Nov 2023 – Present

Internship

- Manage end-to-end production of online university lectures.
- Design and optimize studio configurations and production workflows to improve quality and reliability.
- Build workflow automations and process improvements that reduce repetitive production tasks and shorten turnaround.
- Troubleshoot audiovisual, software, and studio-system issues across recording environments.

Neurodegenerative Modeling, *University of Florida*

Apr 2024 – Jan 2026

Research Assistant

- Developed a Python-based behavioral analysis tool to process experimental maze-trial data for neurodegenerative disease research.
- Designed maze apparatus and lighting frames in CAD and optimized for reproducibility across research labs.
- Integrated computational and mechanical systems to streamline data collection and enable scalable, standardized behavioral experiments.

TECHNICAL PROJECTS

Second Serve — *Full-Stack Food Rescue Platform*

Summer 2026

Development and GitHub Manager

- Developed a MERN web application connecting food donors and recipients through authenticated user workflows.
- Implemented React interfaces, Express/MongoDB backend with REST APIs, JWT authentication, and bcrypt password hashing.
- Collaborated in an Agile team using Git/GitHub, sprint planning, feature branches, merge resolution, testing, and configuration management.

Walkable City Errands — *Unity VR Application*

Summer 2026

Documentation and Development

- Built an immersive Unity prototype.
- Implemented player interaction systems, waypoint navigation, quests, inventory UI, teleportation, and scene interactions.
- Collaborated in an Agile team using Git/GitHub, sprint planning, merge resolution, and testing.

LEADERSHIP & INVOLVEMENT

Gator Cycling, *University of Florida*

2024 – 2026

Social Media Chair

- Contribute to university cycling team activities, training, event coordination, and club communications.

Gator Cycling, *University of Florida*

2026 – 2027

Treasurer

- Contribute to the fundraising and spending management of the university cycling team.

TECHNICAL SKILLS

Programming: JavaScript, Python, Java, HTML/CSS

Web / Backend: React, Node.js, Express, MongoDB, REST APIs, JWT

Tools: Git, GitHub, Unity, Adobe CC Suite, CAD / Digital Modeling

Production: Video production, studio systems, audiovisual troubleshooting, workflow automation

Languages: English, Spanish