

# Aidan Parsons

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## Education

B.S. Computer Science, *Minor in Spanish*

University of Florida, December 2025 Graduation

## Relevant Coursework & Skills

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Database Systems, Computer Graphics, Algorithm Design, Software Engineering, Competitive Programming, Machine Learning, Natural Language Processing.

### Skills:

**Programming Languages:** Java, Python, JavaScript, TypeScript, C++, Go, C, SQL, GLSL, HTML/CSS.

**Frameworks & Tools:** React, Next.js, Spring Boot, GraphQL (Apollo Federation), Node.js, Flask, LangChain, Agentic AI Development, RESTful microservices, RAG/Vector Stores, Scikit-Learn, Django, Azure Cosmos DB, Docker, CI/CD, Git, JUnit, Jest, SonarQube, JWT, OpenGL, Maven.

**Additional Skills:** Leadership, Creativity, Communication, Problem Solving, Agile Development (Scrum).

**Awards:** Seattle Mariners Hometown Hero (Project Prevent), Gator Nation Scholarship, Best Delegate (Model UN at Emory), Dean's List, Finalist (Walmart Elevate AI Hackathon, top 10 out of 700+ teams)

## Projects

### Jirafy (Walmart Elevate Hackathon)

August 2025

- Built **agentic AI workflow** using LangChain that automatically generates and updates Jira tickets from Microsoft Teams meeting transcripts.
- Developed **Microsoft Teams extension** with transcript processing integrated into **Microsoft Graph API** extracting action items from meetings.
- Implemented **RAG architecture** with vector stores to analyze historical Jira tickets and learn team-specific patterns including ticket granularity, priority assignment, story point estimation, and formatting conventions.
- Architected **9-node end-to-end LangChain workflow** from Teams meeting → transcript analysis → contextual ticket generation → granular user edits → sprint board posting, resulting in a highly practical AI productivity application. **Currently being adopted by several teams.**
- Used Jira MCP to post tickets to Jira. Benchmarked our service against manual ticket creation, found **60% reduction in ticket creation time.**
- Selected as a finalist (top 10) with an all-intern team of 4 in a field of over 700 teams, mostly full-time engineers.**

### CustomerChoice

June – August 2025

- Built Walmart e-commerce donation preference platform, from React/Next.js frontend through GraphQL gateway to Spring Boot **microservice** and Cosmos DB, **serving millions of customers** and **used in every online checkout (4000 OPM)**. Goal to **increase donations by 25%.**
- Developed **responsive React frontend** with Next.js server-side rendering and intuitive UX integrated with Walmart's design system.
- Built **GraphQL schema** using Apollo Federation and TypeScript resolvers in **Node.js environment**, routing to backend service and implementing authentication header management and context propagation across Walmart's service mesh architecture.
- Built high-performance Java microservice using Spring Boot with reactive programming patterns, implementing business logic for preference field validation and REST API. **Created new "Donate By Default" feature. Achieved sub 100ms response times.**
- Engineered Azure Cosmos DB reactive data layer with partition strategies optimized for millions of profiles, implementing asynchronous operations and comprehensive testing (JUnit 5, Jest, Pact) **achieving 95%+ code coverage.**
- Implemented enterprise security with OAuth 2.0, JWT, and CI/CD pipelines with SonarQube gate. Passed review for production deployment.

### VolunteerConnect

September – November 2024

- Built **Flask-based** volunteer hour tracking web application with secure user authentication (Flask-Bcrypt), SQLAlchemy database operations, RESTful API design, and comprehensive security features including CSRF protection (Flask-WTF) and session management (Flask-Login).

### placesivebeen.me

August – October 2024

- Developed map-based personal travel blog using HTML, CSS, and JS, with locations that display write-ups, photos, and interactive features.

## Experience & Leadership Involvement

### Walmart Global Tech, Bentonville, AR

#### Software Engineering Intern

June 2025 – August 2025

- Collaborated with Enterprise Business Services team using Agile methodologies, participating in sprint planning.
- Managed deliverables through Jira and technical documentation in Confluence. **Coordinated with stakeholders** on Checkout/GraphQL teams.
- Delivered CustomerChoice project (detailed in **Projects**) and presentation to leadership with metrics, end-to-end demo, and roadmap planning.

### Varsity Tutors, Online

#### Tutor

July 2023 – Present

- Deliver SAT, ACT, and AP Computer Science tutoring while communicating with students/parents. **Perfect 5-star rating.**

### Model United Nations, University of Florida

#### Committee Director & Crisis Chair, SUNMUN & GATORMUN

March 2023 – Present

- Designed and led Model UN Crisis Committees with **30+ delegates** and **10+ staffers.**

### Project Prevent (501c3), Seattle, WA

#### Cofounder & Copresident

March 2020 – August 2021

- Founded and ran nonprofit to make PPE/hygiene kits for homeless during COVID. Raised **\$30,000** from **250+** donors and produced **5,000+** kits.
- Lead outreach team of **17 members.** Secured partnerships with orgs including Seattle Parks Foundation for 501c3 incorporation, Seattle Public Schools for distribution to at-risk students, and Pagliacci Pizza for citywide feminine hygiene product drive collecting **10,000+** tampons/pads.