Aridsondez Jerome

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EDUCATION

University of Central Florida — Orlando, Florida
Bachelor of Science in Computer Science — Graduation: May 2026
- **Relevant Coursework**: Data Structures & Algorithms, Distributed Systems, Databases, AI, Mobile Development

EXPERIENCE

Software Engineer, Intern — May 2025 - August 2025
NextEra Energy x Everbright — *San Francisco, CA*
- Shipped "Solar Year in Review" to **30,000+ homeowners**, delivering personalized annual solar analytics through React Native mobile app and Django REST backend with PostgreSQL and AWS SQS for async data processing
- Built end-to-end feature including React Native UI with interactive charts and energy insights, backend pipeline processing 12 months of telemetry per user, and monitoring to maintain **99.9% uptime**
- Improved user engagement by **45%** through responsive mobile interface with real-time visualizations, reducing dashboard load times from **8.5s to 2.1s** via database optimization and caching
- Collaborated with PMs and designers in Agile sprints to align product roadmap with user retention and engagement KPIs, iterating on designs based on user feedback

Co-Founder & Full-Stack Engineer — January 2025 - Present
Luro (YC-track Startup) — *Orlando, FL*
- Building AI-powered Twitch assistant delivering real-time contextual answers with **5s latency**, combining React admin dashboard, Node.js WebSocket server, and FastAPI backend with vector search
- Developed full-stack platform handling **10,000+ concurrent users**, implementing memory system with PostgreSQL and Redis for session management, chat history, and personalized AI responses
- Created React analytics dashboard reducing operational overhead by **60%**, enabling real-time monitoring of user engagement, query patterns, and system health metrics

Software Engineer — August 2024 - January 2025
Jacobs — *Orlando, FL*
- Built React telemetry dashboard for 3 engineering teams, visualizing real-time sensor data from water filtration systems and reducing diagnostic time by **30%** through interactive time-series charts
- Developed Flask API and data processing pipeline handling **50,000+ sensor readings/hour**, improving system efficiency by **15%** through automated anomaly detection and alerts
- Designed full-stack analytics platform enabling faster decision-making across teams, reducing mean time to identify system issues from **45 minutes to 15 minutes**

PROJECTS

YouTube Health-Misinformation Detector | *FastAPI · React · Docker · LLMs* — FIU ShellHacks 2025
- Built full-stack AI tool detecting health misinformation in videos, featuring React dashboard with interactive timeline for flagged claims, FastAPI backend for transcription and fact-checking, and LLM-based verification with **87% accuracy**
- Delivered end-to-end feature processing 60-minute videos in under 3 minutes, displaying confidence scores, citations, and 1-click navigation to flagged segments

FREN.com (Cars.com Clone) | *React · Flask · SQLite* — July 2024 - October 2024
- Developed full-stack car marketplace with React frontend and Flask backend, featuring search, filters, and pagination for **10,000+ listings**
- Built automated web scraping pipeline updating **500+ listings daily** with **95% accuracy**, reducing load times by **10%** through optimized component architecture and API design

Satellite VPP | *React · Flask · Three.js · Solana* — Won Best Use of Solana — MDC Hackathon 2025
- Shipped decentralized energy trading platform featuring React dashboard with 3D satellite visualization, improving user comprehension of energy distribution by **65%**
- Built Flask backend with dynamic pricing engine and Solana blockchain integration, processing **500+ transactions/hour** with sub-500ms response times

Habla+ Language Learning App | *TypeScript · React · Three.js · Node.js* — January 2025 - April 2025
- Developed collaborative learning platform with React web app and 3D game world using Three.js, supporting **500+ concurrent users** with Node.js backend for real-time multiplayer features
- Built responsive UI components improving mobile retention by **38%**, implemented authentication and progress tracking with MongoDB

TECHNICAL SKILLS

Frontend: React, React Native, TypeScript, JavaScript, Three.js, HTML/CSS
Backend: Python (Django, Flask, FastAPI), Node.js, Go, SQL, PostgreSQL, MongoDB, Redis
Tools & Cloud: Git, Docker, AWS (SQS, S3), GCP, Linux, REST APIs