

ROBERT (ANDREW) PONDER

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EDUCATION

Southeastern Louisiana University, Hammond, LA | *B.S. in Information Technology* | Expected: May 2026

Relevant Courses: Software Engineering, Human-Computer Interaction

SKILLS

Languages & Frameworks: C++, Python

Backend & Tools: Git, VS Code, API Integration, SQL, NumPy, Firebase, OpenAI API

Workplace: UI/UX Design, Team Leadership, Communication, Problem-Solving, Critical Thinking, Project Management

PROJECT EXPERIENCE

Smart Advisor – Backend Developer | Course: *Human Computer Interaction* | Aug 2024 - Present

- Architected Smart Advisor, a personalized recommendation engine that suggests books and movies based on user preferences, implementing a secure and scalable backend system.
- Designed and developed RESTful API endpoints for third-party service integration, including OpenAI, TMDB, and Google Books APIs.

Pao'er Ship – Game Developer | Course: *Computer Architecture* | Jan 2025 – May 2025

- Developed "Pao'er Ship," a Battleship-style game for Raspberry Pi using Python and Pygame, featuring interactive UI, sound effects, and multiple game modes.
- Implemented multiple AI difficulty levels with progressive targeting algorithms, from simple random selection to advanced probability-based decision matrices.

Lion's Den Cinema – Mobile & Backend Developer | Course: *Information Systems* | Jan 2025 – May 2025

- Developed "Lion's Den Cinemas" mobile app using React Native/Expo and TypeScript, enabling users to browse movies, book tickets with interactive seat selection, and order concessions.
- Built RESTful .NET API backend supporting user authentication, theater operations, ticket bookings, and database integration for both mobile and web clients.

RELEVANT EXPERIENCE

Innovation Hub, Southeastern Louisiana University, Hammond, LA | *Technology Assistant* | Aug 2024 - Present

- Assisted students in 3D printing and podcasting for academic projects.
- Provided technical support and developed a VR game for workshops.

OTHER EXPERIENCE

St. Ann Wine Bar, Mandeville, LA | *Server* | Nov 2023 – Apr 2025

- Prepared venues with attention to detail and coordinated with kitchen staff for timely meal delivery.
- Operated POS system, demonstrating technical proficiency in processing transactions.

Premier Roofing, Denver, CO | *Sales Intern* | Summer 2023

- Engaged customers using strong interpersonal skills and conducted complimentary roof inspections.
- Assisted in assessing storm damage and providing professional recommendations to homeowners.

CERTIFICATIONS

- *A Crash Course in Data Science*, Coursera - John Hopkins University (Jan 2023)
- *Programming for Everybody (Getting Started with Python)*, Coursera - University of Michigan (Dec 2022)

