

# John Medlock

## EDUCATION

**University of Georgia**, School of Computing  
*Bachelor of Science, Computer Science*

Athens, GA  
December 2025

## RELEVANT COURSEWORK

Software Development, Data Structures, Systems Programming, Monitored Student Research, Software Engineering, Native App Development, Computer Networks, Computer Architecture, and Web Programming

## TECHNICAL SKILLS

**Front-End Development:** JavaScript, TypeScript, HTML, CSS, Java, R, Swift, Python

**Database:** Postgres, MySQL, MongoDB, SQL

**Frameworks:** React, Vue.js, Spring, Node.js, Express.js, SwiftUI

**Tools:** Git, Unix, Docker, Maven, Postman, Figma, PowerBI, Azure

## RELEVANT EXPERIENCE

### Panasonic North America

Athens, GA

*IT Internal Audit Intern*

May 2025 – August 2025

- Automated product/contractor data extraction of 15K product pages at a rate of 1 page per second with Python, FastAPI, Playwright, Uvicorn on Azure VM, significantly reducing manual effort.
- Achieved \$43K annual cost savings and 30 hours per week time savings by automating data extraction, enabling staff reallocation.
- Enhanced data accuracy/accessibility via automation; integrated data with Power BI for visualization and SharePoint for Excel storage.

### UGA College of Agriculture and Environmental Sciences

Athens, GA

*Information Technology Support Specialist*

August 2024 - Present

- Supported 500+ employees with remote software support, achieving 95% first-call resolution and boosting productivity.
- Resolved 600+ IT tickets, including new computer flashing/configuration and 150+ equipment setups, streamlining deployment by 25%.

### UGA School of Computing

Athens, GA

*Undergraduate Research Assistant*

January 2024 - December 2024

- Developed interactive front-end interfaces for an R-based application using Shiny.
- Enhanced 50+ Shiny components by integrating new features via shinyValidate, openxlsx, shinyjs, and shiny DT.

### Sepia Innovations

Shinjuku, Tokyo, Japan

*Software Engineer Intern*

June 2024 - August 2024

- Developed responsive internal React tools for certificate progression tracking.
- Implemented 80+ reusable React components, reducing code redundancy by 25%.

## PROJECT EXPERIENCE

### WikiType, Full Stack Developer

September 2024 - Present

- Developed/deployed WikiType, a full-stack web application gamifying typing practice with Wikipedia content.
- Built Go backend integrating Wikipedia API (6M+ articles) for user selection and typing of any Wikipedia page.
- Designed personalized user dashboard to track typing progress (WPM, accuracy) and article completion.

### Finance Friend, Frontend Developer

February 2025

- Engineered full-stack application and implemented customizable 3D AI advisor via Three.js.
- Built/maintained analytic dashboards (Chart.js/Express.js) for financial progress tracking and data-driven decisions.
- Integrated OpenAI API/Meshy for AI/ML financial insights; utilized MongoDB Atlas for secure data storage.