

Mack Thompson

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EDUCATION

Auburn University

Graduation Expected Fall 2027

Degree: Bachelor of Computer Science, Minors in Business Engineering Technology & Mathematics
Cumulative GPA: 3.71

Coursework: Artificial Intelligence, Advanced mathematics, Algorithms, Software Modeling/Construction, Fundamentals of Computing I & II, Discrete Structures, Digital Logic Circuits, Assembly Programming...

EXPERIENCE

Application Developer, Intern

May – Aug 2025

Kahua Inc.

- Worked on QA team to develop automated testing agents using C# & selenium driver (17 unique tests and 12 internal functions).
- Created a developer tool that **increased my team's efficiency by ~30%** during company hackathon, a debug tool that recompiles the script during runtime without resetting the driver (allowing modification).

Undergraduate Research Assistant

Feb 2024 – Present

Samuel Ginn College of Engineering

- Conducted "Computer Vision Image Classification with Augmentations" experiment on a 1500 image web scraped dataset
- Developed cognitive behavior training therapy mobile app with flutter and firebase stack

Founder

June 2021 - Dec 2025

BWH Sports Camp

- 4 weeks, 50-60 boys, 9:00 – 2:00, 6 counselors. **Generated over \$100K in gross revenue**
- Advertising (Instagram and YouTube content), organization (Excel and Forms), counselor training, risk-management (insurance), and day to day operation

Frontend Developer

Mar 2025 - Present

Freelance

- E-commerce website for a local Jewelry business with custom "DIY" page that required extensive testing and refinement. Shopify developer & Liquid/JSON--Jupjewels.com

Campus Involvement

Competitive Programming Team – Travel each semester to compete in ICPC

AUG 2023 - Present

Technical Interview Association – Mentor new students & workshop technical skills

AUG 2023 - Present

Association for Computing Machinery – Lectures & events with CS department

AUG 2023 - Present

Lambda Chi Alpha Active Member – Social events & charity work

MAR 2024 - Present

PERSONAL PROJECTS

Email FAQ Reply Bot

SEPT 2024

- Created for my small business BWH Sports camp. Replies to FAQ received in the Gmail inbox by generating text with the OpenAI API, a context CVS file, and formatting with html. Runs on Google Cloud with a Python backend.

Social Platform

AUG 2024

- React and SQLite3 framework for a basic social platform. Uses WebSocket for live chat and request features. Users can create calendars and share events with friends (purely a learning experience).

SKILLS

Programming languages: Python, Java, HTML, JS, CSS, Ruby, C++, C#, TypeScript, Liquid, flutter, SQL

Libraries: React, Pandas, OpenAI, WebSocket, Selenium, firebase, PyTorch, TensorFlow

Other: Google Cloud, AWS, Microsoft Business, Adobe Premiere & Photoshop, Fusion, RStudio, WIX, Shopify