

# JONAH MABRY

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## SUMMARY

Software Engineering student at Auburn University with hands-on experience in software development and data-driven systems through competitive internships. Proficient in Python, TypeScript, and full-stack development with Angular, with experience building and evaluating machine learning using TensorFlow and scikit-learn. Seeking a Software Engineering internship or co-op.

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## EDUCATION

**Auburn University** | Auburn, AL

- Bachelor of Science in Software Engineering | Expected Graduation: May 2029
  - Overall GPA: 4.0 | Auburn Dean's List (Fall 2025)
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## SKILLS

- **Programming Languages:** Python, TypeScript, Java
  - **Frameworks/Libraries:** Angular, Pandas, NumPy, LangChain, TensorFlow, scikit-learn
  - **Databases/Tools:** SQL (SQLite), Git/GitHub, Claude Code
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## WORK EXPERIENCE

**Software Intern** | Adtran | Huntsville, AL | June 2025 - August 2025

- Developed a Natural Language to SQL (NL2SQL) chatbot enabling non-technical users to query production databases, reducing manual query overhead and improving data accessibility.
- Designed and implemented a multi-agent orchestration workflow (LangChain) for query classification, SQL generation/execution, result summarization, and conversation memory.
- Integrated Highcharts visualization components within a responsive Angular and Tailwind CSS frontend to display query results in an easy-to-read chart format.

**Data Science Intern** | Simple Helix | Huntsville, AL | June 2024 - July 2024

- Selected from a competitive applicant pool of 100+ candidates with only 25 chosen for a technical data science internship.
  - Designed and implemented a local GPU-based machine learning training environment to streamline model development and iteration.
  - Built and evaluated various ML models using core libraries: Pandas, scikit-learn, and TensorFlow.
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## PERSONAL PROJECTS

**Grade Tracker** | github.com/jonahmabry/grade\_tracker

- Developed a Python tool that integrates with the Canvas REST API to automatically retrieve course enrollment and grade data.
- Implemented GPA calculation and weekly change tracking to eliminate manual grade checks.
- Built an iOS Shortcuts workflow to send automated SMS updates with GPA and grade changes.