Joseph Williams

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EDUCATION

Auburn University   Auburn, AL
Bachelor of Science in Computer Science, Minor in Data Science   Aug. 2023 – Dec. 2025
Major GPA: 3.78 / 4.00
Relevant Coursework:

- Artificial Intelligence
- Data Structures and Algorithms
- Networks
- Operating Systems

SKILLS

- **Programming Languages:** Python, Java, C++, HTML, CSS, JavaScript, R
- **Software Development Tools:** Node.js, Git, GitHub, VS Code, Jupyter, Visual Studio, Linux, React.js, Selenium, Anaconda, SQL
- **Concepts:** Object-Oriented Programming, Data Structures & Algorithms, Computer Networking, Operating Systems

PROJECTS

GrubHub Price Match Automation
Tools: Python, Tesseract OCR, Selenium, Pycharm, Git

- Automated price match submissions using Python, achieving a 10x speed increase (from 10 minutes to 1 minute)
- Employed Tesseract OCR with machine learning for Optical Character Recognition and Selenium for website automation

Credit Card Rewards Tracker
Tools: React, SQL, HTML, CSS, JavaScript, Node.js, Vite, Git

- Developed a full stack React web app using HTML, CSS, and TailwindCSS with DaisyUI, allowing users to track credit card sign-up bonuses and spending progress
- Leveraged JavaScript and React for dynamic frontend calculations and interactive visuals, providing real-time updates on spending goals
- Integrated Supabase with PostgreSQL as the backend database for secure data storage and hosted on Netlify with automated deployment from GitHub.

YouTube Media Downloader
Tools: Python, Tkinter GUI, Pytube, Git

- Developed a Python YouTube video and audio application with a Tkinter interface, leveraging the Pytube library for downloads
- Aimed at providing unrestricted access to YouTube content, especially for seamless integration with Spotify

EXPERIENCE

Forefront Realty   Mobile, AL
Real Estate Photographer   Aug. 2022 – Jul. 2023

- Captured professional on-location photos for upcoming residential listings
- Collaborated closely with agents and owners to develop sales vision for each property

Carole Fay Jewelers   Mobile, AL
Digital Sales Manager   Sept. 2019 – Aug. 2022

- Enhanced user experience (UX) and resolved functionality issues and bugs on the company website front end, increasing traffic by 50% and improving customer interaction
- Managed and fulfilled product sales, leading to an 11% year-over-year growth increase in sales conversion rates

EXTRACURRICUALR & AWARDS

- Association for Computing Machinery
- Competitive Programming Team, Ethical Hacking Club, Web Dev Club
- Auburn Chapter Engineers Without Borders
- Auburn Walt and Virginia Woltosz Annual Creed Scholarship