

Joseph Williams

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EDUCATION

Auburn University

Bachelor of Science in Computer Science, Minor in Statistics

Major GPA: 3.78 / 4.00

Relevant Coursework:

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

Auburn, AL

Aug. 2023 – Dec. 2025

SKILLS

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

Covid Classifier

Tools: PyTorch, Python, CUDA, Anaconda, Jupyter, Git

- Preprocessed a large Kaggle dataset by performing feature engineering, normalization, and data cleaning to ensure model readiness
- Developed a neural network model using PyTorch to predict COVID-19 patient mortality risk based on health and demographic data

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

Carole Fay Jewelers

Digital Sales Manager

Mobile, AL

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

EXTRACURRICULAR & AWARDS

- Auburn ACM – Competitive Programming Team, Ethical Hacking Club, Web Dev Club Aug. 2023 – Present
- Auburn Walt and Virginia Woltosz Annual Creed Scholarship Aug. 2023 – Present