Jarron Douglas

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github.com/jarronadam

Education

The College of New Jersey, BS in Computer Science   Aug 2020 – May 2024

- **Coursework:** Computer Architecture, Analysis of Algorithms, Computer Architecture, Computational Problem Solving, Computer Networking, Data Structures, Database Systems, Discrete Math, Operating Systems, Programming Languages, Secure Coding, Software Engineering, Theory of Computation

Experience

IT Support Technician, Bloomberg – Princeton, NJ   January 2025 – April 2025

- Provide technical support to Bloomberg employees, resolving IT issues in a timely and efficient manner
- Troubleshoot and resolve hardware and software problems for desktops, laptops, and mobile devices
- Install, configure, and maintain workstations, operating systems, and peripheral devices
- Perform hardware and software upgrades, ensuring minimal downtime during critical business hours
- Manage network connectivity issues, including troubleshooting VPN, Wi-Fi, and other remote access tools
- Document all support requests and resolutions in the IT service management system (e.g., ticketing system)

Full Stack Developer, Special Narcotics : Manhattans District Attorneys Office –   June 2024 – December 2024
Manhattan, NY

- Developed Scabble web apps with .NET ensuring high performance and responsiveness, enhanced user experience
- Implement RESTful API, intergrade third party services; improve functionality and user satisfaction
- Build dynamic front-end interfaces with Razor pages and react; ensure seamless interaction with back-end
- Utilize SQL Server for database design, complex queries, and performance optimization, boost efficiency.

Projects

NYC Locator

- Developed a tool that retrieves law enforcement information for specific addresses. Supports individual inputs or bulk uploads via Excel, using geolocation APIs to identify precincts. Features secure data handling and export options.
- Tools Used: C++, .NET, SQL, HTML, JavaScript

Statistics Module for ACCR

- Designed a Ruby on Rails module for the Atlantic Center for Capital Representation. Automates tracking, calculates financial metrics, and visualizes data to aid strategic planning.
- Tools Used: Ruby On Rails, HTML, JavaScript

EventMatch Algorithm

- Built a Ruby application to streamline event scheduling for educational environments. Uses algorithms to match students with events based on interests, leveraging CSV data for personalized engagement.
- Tools Used: Ruby, HTML, JavaScript

Core Computer Architecture

- Collaborated on implementing ALU, RAM, and registers using x86 assembly and LogicWorks. Focused on control logic and both interrupt-driven and busy wait I/O processes.
- Tools Used: Logic Works

Assembly Burger Shop

- Created an x86 assembly program to simulate a burger shop. Managed inventory and sales, with features like

process interrupts and restocking prompts for efficiency.

- Tools Used: Logic Works

Security Monitoring System

- Built a Python-based security app with OpenCV for real-time face and body detection. Incorporated Haar Cascade classifiers and automated recording to enhance monitoring.
- Tools Used: Python

Finance Tracker

- Developed a finance app using Plaid API, Node.js, and React. Tracks bank balances and transactions, offering a digital ledger for financial management.
- Tools Used: Python, HTML, JavaScript

Technologies

Languages: Assembly, C++, C, Java, C#, SQL, JavaScript, Python, Ruby

Technologies: .NET, SQL Manager, VSCode, Logic Works