JARRON DOUGLAS

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PROFESSIONAL SUMMARY

Dedicated and technically skilled Computer Science senior at The College of New Jersey, poised to receive a Bachelor of Science in Fall 2024. Eager to contribute developed knowledge in software development roles, with a keen interest in integrating machine learning applications. Brings a strong foundation in programming, problem-solving, and project management, cultivated through academic projects and collaborative team experiences. Dependable employee seeking opportunity to expand skills and contribute to company success.

SKILLS

Team Collaboration	Software Development	Secure Coding
Software Architecture	Java	Python
C++ / C	Git	SQL

EXPERIENCE

Fulfilment
Target

- Prepared shipments for safe transport, packaging finished goods into specific shipping containers.
- Operated packaging machinery efficiently while adhering to safety protocols.
- Kept team productivity high, backing up team members and training new employees.

Electronics / Cart Attendant
Walmart

- Assisted customers in selecting and purchasing electronic products based on their needs and preferences.
- Assisted in opening or closing procedures depending on assigned shift times.
- Set up and maintained large displays of televisions, sound bars and other electronics.

Package Handler
FedEx

- Used RF scanner to pick products accurately.
- Handled over 1200 packages per hour, consistently exceeding quotas.
- Managed time efficiently by prioritizing tasks based on deadlines and workload demands.

Floor Usher
Regal

- Assisted patrons with locating seats, restrooms or concessions.
- Greeted guests upon arrival and assisted with seating arrangements.
- Acted as liaison between event staff, performers, and attendees for any issues that arose during event.

EDUCATION

Bachelor of Science in Computer Science
THE COLLEGE OF NEW JERSEY, Ewing, NJ, May 2024

- Member of TCNJ football team
- Member of National Society of Black Engineers
- Member of TCNJ's PRIDE Mentoring Program

PROJECTS

EventMatch Algorithm
Developed a Ruby application designed to revolutionize event scheduling in educational environments. Utilizes algorithms to match students with events based on their interests, parsing data from CSV files to personalize engagement. Showcases programming expertise and a commitment to enhancing educational experiences through technology.

Security Monitoring System
Engineered an advanced security application using Python and OpenCV, capable of real-time face and body detection through camera feeds. Implemented Haar Cascade classifiers for efficient and accurate recognition, integrated recording triggers upon detection, and designed automated recording mechanisms to capture relevant incidents, enhancing security monitoring capabilities.

Core Computer Architecture Implementation
Collaborated in a team of three to implement core components of a basic computer system, including the ALU, RAM, and general-purpose registers. Utilized x86 assembly code and LogicWorks, focusing on the development of control logic, flip-flops, and timing signals. Contributed significantly to both busy wait and interrupt-driven I/O processes.

Assembly Burger Shop
Developed a simulation program for a burger shop using Manos x86 assembly language, managing inventory, orders, and sales effectively. Features interrupts for assembly processes and automatic closure when ingredients deplete, prompting for restocking to ensure operational efficiency.

Finance Tracker
Developed a personal finance web application by integrating the Plaid API with Node.js for backend operations and React for the frontend. This tool tracks bank account balances and transactions, providing a comprehensive digital ledger for enhanced financial management and historical analysis.

Statistics Module for ACCR System Management Tracker
Designed and implemented a 'Statistics' module in Ruby on Rails for the Atlantic Center for Capital Representation. This module automates tracking, calculates financial metrics, and supports dynamic data visualization, aiding in the strategic planning and administrative efforts of the organization.