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**EDUCATION**

Florida Southern College, Lakeland, FL  
Bachelor of Science in Computer Science – Concentration in both AI and Web Development  
August 2022 – May 2026 (Anticipated)  
GPA: 3.9  
Dean’s List: Fall 2022 – Fall 2024 | President’s List: Fall 2022, Fall 2023

Celebration High School, Celebration, FL  
Graduated in top 10% of class (2019 – 2022)

**EMPLOYMENT EXPERIENCE**

**Freelance Drummer (2023 – Present)**Perform regularly with local groups for live events. Organize rehearsals, coordinate set-up and tear-down for gigs, and consistently deliver reliable, high-quality performances. Built strong time-management, collaboration, and adaptability skills.

**Campus Customs – Celebration, FL (Summer 2024)**Worked in a warehouse setting organizing received shipments and packaging materials for order fulfillment  
Played a key role in setting up printing machines and configuring the software used for producing custom items.  
Troubleshot technical issues and trained other employees on proper machine-software integration.

**McDonald's – Celebration, FL (Summer 2023)**Operated drive-thru systems including order taking, payment handling, and drink preparation.  
Delivered food to customers at drive-thru windows and curbside pickup.  
Recognized as a potential candidate for management if employment continued past the summer.

**NuLeaf Landscaping – Celebration, FL (Summer 2022)**Led maintenance of garbage collection for parks and pools as part of a contract with the Town of Celebration.  
After early completion of tasks, provided support to other crews and management in ongoing landscaping projects.

**AUTOMOTIVE EXPERIENCE**

* **DIY Maintenance – 2015 Honda Civic Si**

Performed routine maintenance and part upgrades on personal vehicle. Tasks included:

* Oil Changes and transmission fluid changes using correct tools, fluids, and torque specifications
* Installed coilovers, cat-back exhaust system, and sway bar end links to improve handling, sound, and performance
* Installed new headlights and fog lights to refresh worn out and broken components
* Assisted in replacing clutch along with related components such as throwout bearing, pilot bearing, pressure plate, flywheel, and rear main seal.
* Replaced engine and cabin air filters and performed other minor maintenance
* Demonstrated mechanical skill, safety awareness, and commitment to learning through hands on experience.
* **Friends and Family Vehicle Service**

Conducted basic maintenance on a few friends and family vehicles of various makes and models.

* Completed oil changes and cabin air filter replacements across multiple vehicles.
* Completed battery diagnosis and replacement
* Ensured safe fluid disposal and adherence to best practices

**TECHNICAL PROJECTS & EXPERIENCE**

* **Arduino Bluetooth-Controlled RC Car**  
  Designed and built a high-speed remote-controlled car using Arduino Uno and Bluetooth modules.  
  Programmed a custom joystick controller for real-time wireless control and integrated motor and power systems.  
  Demonstrated core principles of embedded systems and robotics through successful implementation and testing.
* **Automotive Web Application (Vue + Firebase)**  
  Developed a web application for a fictional automotive performance shop using Vue.js and Firebase.  
  Built secure user authentication, real-time database functionality, and a dynamic appointment and messaging system.  
  Styled a responsive user interface and deployed the app for public access using Firebase Hosting.
* **Python AI Applications**  
  Created several Python-based AI projects exploring algorithms like BFS and A\*, constraint handling, and heuristic optimization.  
  Key projects included:
* **Maze Navigation Bot** – Simulated a robot navigating mazes with energy constraints using Breadth-First Search.
* **Rubik’s Cube Solver** – Built an A\* search algorithm with custom heuristics to solve a virtual cube efficiently.
* **Wordle Solver** – Developed a solver using frequency analysis and pattern strategies that achieved a 92% success rate.  
  All projects featured GUI components for interaction and visualization.
* **Java Projects**
* **Java Simulated Bank System** – Built a Java-based system simulating banking operations, allowing users to create accounts, close accounts, deposit, withdraw and transfer money through a console-based interface.
* **Christofides Algorithm Implementation** – Developed a Java program that applies the Christofides approximation algorithm to solve the Traveling Salesman Problem (TSP) for weighted graphs.

**ORGANIZATIONS, ACTIVITIES & AWARDS**

* Vice President of Internal Affairs and drummer, Southern College Productions (2022–Present). Led club growth initiative (200%+ in 2 years).
* First Chair Drummer, Florida Southern College Jazz Ensemble (2023–Present). Selected and paid member by audition.
* Member, National Society of Leadership and Success (2024–Present).
* Recipient of Florida Bright Futures Scholarship (FAS) and additional FSC scholarships (2022–Present).

**SKILLS**

* **Programming & Tools:** Python, Java, JavaScript, HTML, CSS, Arduino (C++), VSCode, Microsoft Word, PowerPoint, Excel
* **Technical Interests:** Building, and troubleshooting computers and technical hardware; hands-on mechanical work with a passion for automotive systems; skilled in tool use, repair, and prototyping
* **Soft Skills:** Quick learner, adaptable, resourceful, creative, detail-oriented, organized, and effective problem solver
* **Communication:** String written and verbal communication skills; experienced in technical explanation and collaborative teamwork