Trace Davis

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Education

The University of North Florida	Bachelor of Science in Computer Science
Florida State College at Jacksonville	Associates of Arts in General Education
Central Louisiana Technical Community College	NCCER Electrical Level 4

Awards: Army Achievement Medal (AAM) – Honorable Discharge

Summary: Motivated professional with a military background, exhibiting discipline, adaptability, and problem-solving. Skilled in building relationships, leveraging technical skills, and critical thinking to solve challenges.

Technical Skills: (*Proficient)***: Java, HTTP, CSS, MIPS, SIC
(*Familiar)*: JavaScript, C, C++, SQL, MySQL, Git, GitHub

Work Experience

- ***Electrician***   ***American Electrical Contracting***   ***January 2018 – January 2020***
  - Supported and lead electricians with installation, maintenance, and repair of electrical systems
  - Worked in varieties of team sizes to meet strict project deadlines to maximize profit, maintaining quality and safety standards
- ***Infantryman/Team Leader***   ***U.S. Army***   ***August 2014 – November 2017***
  - Supervised, trained, and ensured the safety of a 4-person team, maintaining a 100% safety record
  - Conducted maintenance and inspections of vehicles and equipment, managing over $2M in assets and ensuring operational readiness
  - Developed strong leadership, teamwork, and problem-solving skills

Projects

- *Spark-Cards*
  - Java GUI flashcard app completed using the software development lifecycle
- *NQueensGeneticAlgorithm*
  - Java-based genetic algorithm to solve N-Queens problem
- *RRT_Implementation*
  - Java GUI app that visualizes my implementation of the RRT algorithm
- *LittleLanguageCompiler*
  - "Little" compiler using ANTLR to handle lexical analysis, parsing, and code generation
- *SIC-XE-Assembler*
  - Second pass of SIC/XE assembler using C to convert to machine-readable object code
- *StoreFrontDB*
  - Java GUI using MySQL for user login, inventory management, and order processing
- *DietarySurvey*
  - Java GUI app collecting personal and dietary info from users, saving to CSV file
- *SpeedDataAnalyzer*
  - Java program computing CSV traffic sensor data, and outputs to formatted CSV to analyze

Professional Development

- Kattis – Coding Challenges
- LeetCode – Interview Problem Solving