Contact Information

Name: Midna Fowler
Email: Midna@Midnight.Miami
Website: Midna.Midnight.Miami

Skills

Programming Languages:
- C (Self-Taught, used for NASA Quadrapus Control System)
- C++ (Learned at Sinclair/MVCTC, 2 semesters)
- Java (Learned at Sinclair/MVCTC, 2 semesters)
- Python (Learned at Sinclair/MVCTC, 1 semester)
- Rust (Self-taught, used for P.A.S.S.P.O.R.T)

Web Development:
- HTML/CSS (Learned at MVCTC, used for personal site)
- PHP (Learned at MVCTC, used for personal site)
- JavaScript (Self-taught, used for personal site)

Database Management:
- DB Design (Learned at Sinclair/MVCTC, used for P.A.S.S.P.O.R.T/personal site)
- Microsoft Access (Learned at Sinclair/MVCTC, 1 semester)

Tools & Technologies:
- Git (Learned at Sinclair/MVCTC, used for all projects)
- Linux (Self-taught, used for all notable projects & home PC)
- Data Analysis (Learned at Sinclair/MVCTC, 1 semester)
- Systems Analysis (Learned at Sinclair/MVCTC, used for most notable projects)

Awards

Business Professionals of America (BPA):
- Regional Programming Concepts (x2)
- State Programming Concepts
- State Digital Communication and Design
- Java Programming

Tech Prep:
- Information Support and Services

Education

Miami Valley Career Technology Center <2022-2024>
- Computer Coding and Web Applications Lab
  - Web development
  - Fast track programming certificate (Administered by Sinclair)

Sinclair Community College <2022-2024>
- Associate's Degree in Computer Science
  Relevant Coursework:
  - C++ Software Development
  - Database Management
  - Introduction to Problem Solving and Computer Programming
  - Information Systems Analysis & Design
  - Java Software Development 1 & 2
  - Python for Data Analytics

Notable Projects

// Further projects and more detailed breakdowns at midna.midnight.miami

NASA Quadrapus Control System:
- Collaborated with a team to create a control system inspired by the octopus' distributed brain, with each tentacle acting autonomously until commanded by a central brain to act as one. Commended for a unique approach, modularity, and scalability.

Email System:
- Independently developed and hosted a personal email system to gain a deeper understanding of system architecture.

Crime Data Analysis:
- Compiled information independently from various sources and used Python with Pandas and Matplotlib to determine factors associated with crime and how best to tackle systemic problems.

Personal Website:
- Designed and maintained a personal website containing updated information about me and detailed project descriptions.

P.A.S.S.P.O.R.T:
- Designed, constructed, and implemented a system to automate the attendance process, exploiting the barcodes on the IDs at MVCTC. Integrated AI to generate natural-language reports which comment on patterns within attendance, bathroom breaks, etc.