

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.