

# Anthony Allen Lansing

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## QUALIFICATION

Dedicated administrative professional with a decade of experience transitioning to a career in software engineering. Known for unwavering work ethic, consistently meeting deadlines, and delivering high-quality results.

- **Software Development:** Proficient in writing clean, efficient code with a keen eye for detail. Comfortable with languages such as Python, Java, C, and C++.
- **Documentation:** Proven track record of creating comprehensive and easy-to-understand documentation for both technical and non-technical stakeholders. Strong emphasis on clarity and accessibility in all written materials.
- **Problem-Solving:** Analytical thinker with a knack for identifying and solving complex problems. Approach challenges with creativity and persistence, consistently finding innovative solutions.

## PROFESSIONAL EXPERIENCE

**Teaching Assistant** — *Monroe Community College / Rochester, NY*

2024

- Supported students' success by providing one-on-one tutoring of C and assembly code.
- Designed a lab that demonstrated the functionality of RAM using a simulator.
- Aided in the preparation of a new curriculum using a 32-bit ARM Cortex M0+.
- Demonstrated strong interpersonal and communication skills while assisting students by breaking down difficult concepts into easy-to-understand terms.
- Demonstrated expertise in the 16-bit HCS12 by guiding students through C and assembly code.

**QA Workers' Comp Team Leader** — *MedSource National / Garden City, NY*

2016 — 2023

- Ensured quick 7-day turnarounds of report completions by working directly with doctors and QA peers and adjusting workflows as needed.
- Mentored junior QA analysts, improving their technical skills and overall productivity within the team to ensure a greater than 97% accuracy rate.

## EDUCATION

**Associate of Science in Computer Science** — *Monroe Community College*

Completed

- Dean's List from Fall 2021 to Fall 2023.
- Served as secretary of the ICT Club and lead in the design and implementation of Lego "Battle Bots" by interfacing with the NXT using C++.

*Summa Cum Laude*  
*GPA 4.0*

**Bachelor of Arts in Linguistics** — *Iowa State University*

Completed

**Taught Masters in Creative Writing** — *University of Edinburgh*

Completed

## PROJECTS

**Dragon12 Vehicle Module / Written in C and Assembly** | [github.com/lansinganthony85/dragon12-vehicle-module](https://github.com/lansinganthony85/dragon12-vehicle-module)

- Interfaced with the MB85RS64V FRAM over SPI to store data and read back over serial.
- Utilized ADCs and timers to collect temperature and light level data and store said data at timed intervals.
- Designed a user interface on an LCD1607 using I2C to change the parameters of a run.
- Wrote over 40+ pages of documentation with charts to clearly explain the implementation of the design.

**Rock, Paper, Scissors / Written in Java** | [github.com/lansinganthony85/Rock-Paper-Scissors](https://github.com/lansinganthony85/Rock-Paper-Scissors)

- Utilized JavaFX to implement an intuitive UI.
- Used object-oriented approaches to record wins/losses displayed in a pie chart.
- Simplified code by utilizing polymorphism to apply the same changes to different Abstract Data Types.

## SKILLS

### Technical

- Coding: *HCS12 Assembly, C, C++ (SDL2), Java (Java FX), Python, Bash, Data Structures*
- Software: *Windows, Linux, Mac, Microsoft Office, GitHub, Git, VMware, IntelliJ IDEA, Visual Studio*
- Hardware: *ARM Cortex M0+, HCS12*

### Soft

- *Creative Writing, Technical Writing, Copywriting, Copyediting, Communication*
- *Leadership, Problem Solving, Mentoring, Critical Thinking, Time Management, Organization*