Elizabeth A. Cray

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https://lizcray.dev

Software Engineer

Experienced in the combination of design and software engineering with an emphasis on documentation and automation.

Key Competencies

Remote System Maintenance	Documentation
Software Development	Linux / UNIX Maintenance

Software Engineer at ShipRite Software (2019-Present)

Developed front and back ends for a dynamic smart mailbox ecosystem as well as upgrade old code to modern standards on other projects. Additionally created and maintained a robust network with modern security practices.

Lab/Backend Engineer at SUNY Polytechnic (2017 – 2018)

Engineered and maintained lab systems, maintained client Linux distributions, ran server back-end systems for managing the network, and documented all work.

A/V and Networking Specialist for Teatrograde (2016)

Ran wiring for various home entertainment systems and networks, including fiber optics, power, and data lines. Provided experience-based recommendations on available systems, organization methods, and viable products for customers.

Technical Knowledge In:

Operating Systems
- Linux
- FreeBSD
- Apple Mac OS
- Microsoft Windows
- CISCO IOS
- Apple iOS
- Android
- Embedded Devices

Languages
- HTML / CSS
- Javascript / Node.JS
- C
- Java

Development Tools
- Eclipse IDE & JetBrains
- Visual Studio Code / Atom
- Autodesk Inventor / Fusion 360
- Microsoft Visual Studio
- AVR / J-Link
- VMWare / VirtualBox / Hyper-V
- GCC / Clang / Java
- Blender

- Python
- MATLAB
- Rubys
- Shell Scripting

Protocols and Services
- SSH / Telnet
- MQTT
- MariaDB / MySQL
- AWS / Google Cloud / MS Azure
- Git
- RS232 / I2C / SPI
- MATLAB / GNU Octave

- C++
- Java

Education:

Computer and Information Science

Extra classes in computer vision, natural interfaces, and Kotlin programing

SUNY Polytechnic Institute in Utica/Rome NY

Certificate from C-TECH **CISCO Networking**

Orange-Ulster BOCES in Goshen NY

Certificate from C-TECH **Computer Technician**

Orange-Ulster BOCES in Goshen NY