

Technical Skills

Languages: JavaScript, Java, C, Python, HTML, CSS, SQL.

Technologies and Tools: Git, Node.js, Bash, Linux systems, React, VirtualBox, Docker, Jupyter notebooks.

Relevant Experience

Automation Developer | ABC Legal Services — Seattle, WA (remote) **March 2024 – Present**

- Develop court website scrapers in Python with Playwright to automate document and status retrieval.
- Configure and test JSON automation pipelines for document preparation to eliminate manual splitting, organization, and data validation work, increasing filing team output by 43%.
- Track and collaborate on tasks and projects in Jira.

eFiling Specialist | ABC Legal Services — Seattle, WA **April 2023 – March 2024**

- Prepared, reviewed, and electronically filed legal documents in 9 states according to county requirements, exceeding daily filing expectations by 30%.
- Train team members on court filing procedures and tools, contributing to team resilience and efficiency.

Summer Research Intern | Lewis & Clark College — Portland, OR (remote) **May – July 2021**

- Researched secure computing system development through formal verification.
- Designed a high-level component architecture and encrypted communication protocol for a network-connected thermometer device.
- Developed multithreaded prime number generator on seL4 microkernel.

Software Engineering Intern | NCAR Earth Observing Laboratory — Boulder, CO (remote) **May – July 2020**

- Developed a web interface using React and Highcharts to display diagnostic information so scientists can easily monitor their data acquisition systems, automatically analyzing the data to highlight potential concerns.
- Wrote unit tests with Jest to ensure correct behavior and prevent bugs.
- Automated building, testing, and deployment workflows with GitHub Actions and Ansible.

Peer Tutor | Lewis & Clark College — Portland, OR **September 2019 – May 2022**

- Tutored students in computer science, math, and physics courses, including Linear Algebra and Algorithm Design.

Web Development Intern | Field Day — Los Angeles, CA (remote) **May – August 2019**

- Updated user interfaces and modernized date picker component in legacy React-based marketing dashboard.

Projects

Virtual Fax Machine | github.com/linusbrogan/fax-machine

- Created a responsive web app to easily send faxes on Cloudflare's serverless platform, using the Telnyx fax API.

Raytracer | github.com/linusbrogan/graphics

- Developed a 3D rendering program in C, which supports various objects with realistic lighting.

Tetris | github.com/linusbrogan/tetris

- Implemented the classic game Tetris in Java and unit tested with JUnit.

Education

Lewis & Clark College — Portland, OR **September 2018 - May 2022**

- **Bachelor of Arts**, Computer Science and Mathematics, minor in Physics.
- **Honors:** *summa cum laude* (GPA: 3.99), Sigma Pi Sigma (national physics honor society).
- **Association for Computing Machinery (ACM) Student Chapter:** Organized events, including talks and hackathons, to increase engagement and build community within the Computer Science department.
- **National Cyber League:** Ranked in the top 10% nationally across a range of cybersecurity skills, including forensics, network traffic analysis, password cracking, and web application exploitation.
- **Pacific Rim Collegiate Cyber Defense Competition:** Configured Linux servers for security and reliability, and led Lewis & Clark's 2021 team, mentoring team members in defensive system administration skills.