

# Luke McGovern

Software Engineer–Web Developer

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## EDUCATION

**Major: Bachelor of Science in Computer Science**

Dec 2023

Minor: Japanese Language (Honors Society JNHS-CC)

University of Vermont, *Burlington, VT*

## LANGUAGES & SKILLS

### Languages

- JavaScript | TypeScript | Ruby | Python | C | C++ | Swift | HTML | CSS | SQL |

### Skills

- Full-Stack Dev | ROS Robotics | Linux CLI | Git | IOS Dev | ShopifyCLI | PC Building

## WORK EXPERIENCE

**Contract Web Developer**, Johnson Woolen Mills | Johnson, VT

3/25 – Present

- Currently overhauling UX/UI of an E-commerce website using ShopifyCLI
- Collaborating with brand ambassadors to outline the rebrand's impact on the website
- Planning to optimize throughput by teaching employees how to properly log sales

**Web & Digital Strategy Lead**, New York Pizza Oven | Colchester, VT

2/25 – Present

- Enhancing the website's design and optimizing the integration of its Point of Sale (POS) API
- Streamlining the online ordering process, Increasing traffic and sales
- Managing the pizza shop's online marketing campaigns

**Tech Consultant**, Donahue & Associates | Burlington, VT

5/23 – 8/23

- Managed website and helped implement new tech endeavors
- Taught realtors how to get aerial shots of properties with a drone

**Construction**, Bordeaux Construction | Burlington, VT

6/20 – 12/24

- Renovated commercial and residential properties
- Built planning and communication skills dealing with potentially dangerous environments

## PROJECTS

**Personal Portfolio & Fullstack Web App**

7/24 – 1/25

- Built my personal web portfolio, containing my first full-stack app
- Acquired fullstack development techniques, crucial for a modern web developer
- Website contains additional information about my coding journey

**Autonomous Drone Navigation**–[github.com/McGovern7/ardupilot-nav-scripts](https://github.com/McGovern7/ardupilot-nav-scripts)

1/24 – 4/24

- Programmed autonomous navigation software for a drone in a virtual environment
- The drone analyzes its sensor data, and maneuvers through a 3D maze
- Established keen understanding of robotics system & software design

## RELEVANT COMPUTER COURSES

### Web App Development

Developed an IOS app which streamlines flight scheduling between pilots. Uses Apple's AirTag feature. 3 member semester long project.

**Software Engineering**

Using Agile Development in a group of 4, coded a simulated monopoly game using PyGame. Sharing code through GitLab for this semester-long project.

**Data privacy**

Solo Project-based Learning: Added privacy mechanisms to create secure and accurate coordinate data. Plotted data on a world map with GeoPandas.

**Cybersecurity Principles**

Infiltrated my professor's (fake) online bank. Applied cryptographic hashing on data to secure computer networks. Newfound understanding of network threat vectors allows me to build more secure software.