

# Luke Erling Fredrickson

lfredric@uvm.edu | (206) 743-6478 | Seattle, WA  
www.lukefredrickson.info | github.com/lukefredrickson

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## EDUCATION

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**University of Vermont** // Burlington, VT

*Degree Expected May 2022*

- Bachelor of Science, Computer Science
- *Honors:* UVM Honors College

**Lakeside School** // Seattle, WA

*June 2018*

- *GPA:* 3.8

**Mountain School (Milton Academy)** // Vershire, VT

*Feb 2017 — June 2017*

## TECHNICAL SKILLS

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### Programming Languages

*Proficient:* Java, HTML, CSS, JavaScript // *Familiar:* PHP, Python, SQL

### Development Tools

*Libraries & Frameworks:* RegEx, JavaFX // *Tools:* Git, Agile & Scrum

### Other Software

*Development:* Visual Studio Code, Unreal Engine, Eclipse

*Design:* Adobe Photoshop, Illustrator, InDesign, and Lightroom

### Certifications

*freeCodeCamp:* JavaScript Algorithms & Data Structures

## PROJECTS

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**Personal Website:** [www.lukefredrickson.info](http://www.lukefredrickson.info) (for additional information and projects)

**Project Albatross** // Lakeside School

- Collaborated with two other students to create a 3D open world game in Unreal Engine.
- Designed and scripted UI, scripted save/load functionality and day/night cycles.
- Utilized Git and GitHub to manage a large file repository and avoid file conflicts.
- Utilized Agile & Scrum methods to stay on track during a five-month development period.

**Clicker Lord** // Lakeside School

- Programmed a basic fantasy themed clicker game using Object Oriented Java and JavaFX.

## WORK EXPERIENCE

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**Freelance Construction** // Seattle, WA

*Summer 2017 & 2018*

*Construction and House Painting*

- Learned construction and painting skills, critical safety skills, and detail-oriented work ethic.

## VOLUNTEERING

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**Washington Trails Association** // Seattle, WA

*Sept 2014 — June 2018*

*Trail Maintenance* // Youth Ambassador (2017 — 2018)

- Presented to groups of 20+ students about volunteering to increase youth participation on trail work groups.
- Collaborated in work groups of 15+ people to maintain hiking trails for increased accessibility to the outdoors.

**Hurricane Relief Donation Drive** // Lakeside School

*Sept 2017*

- Presented to 400+ students and faculty, coordinated with school administration, and designed and deployed promotional material to raise \$1,767.84 for relief efforts in the wake of Hurricane Irma and Harvey.