

Luke Erling Fredrickson

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EDUCATION

University of Vermont // Burlington, VT	Degree Expected May 2022
• Bachelor of Science, Computer Science // UVM Honors College	GPA: 4.0
Lakeside School // Seattle, WA	June 2018
• High School Diploma	GPA: 3.85
Mountain School (Milton Academy) // Vershire, VT	Feb 2017 — June 2017

TECHNICAL SKILLS

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

PROJECTS

Personal Website: www.lukefredrickson.me (for additional information and projects)

The Rime of the Ancient Mariner // University of Vermont

- Programmed an educational website to improve reading comprehension of Samuel Taylor Coleridge's *The Rime of the Ancient Mariner* by employing narration, music, and color changes based on the poem's mood.

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

Freelance Construction // Seattle, WA	Summer 2017 & 2018
Construction and House Painting	

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

LEADERSHIP & COMMUNITY INVOLVEMENT

Campus Engagement

Member, UVM CS Crew // Member, UVM Cycling Team // Participant, UVM CS Fair 2018

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.

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.