

Finnian Brewer

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EDUCATION

Oregon State University Sep 2025 — Present
Honors Bachelor of Arts in Computer Science and Religious Studies (in progress; 4.0 GPA)

Vilnius University (Lithuanian Summer Language Program) July 2025 — July 2025
Group 6 (Instruction in Lithuanian; C1 level) for 3 credits

University of Helsinki (MOOC) June 2023 — August 2023
Grade A for 5 credits in both Functional Programming I and Functional Programming II

Cleveland High School (Portland, OR) Aug 2021 — May 2025

- Graduated as a valedictorian with a 4.0 GPA (4.45 weighted)
- Obtained an International Baccalaureate Diploma with a score of 35

PROJECTS

Kalba Reader (github.com/BrewingWeasel/Kalba) Sep 2023 — Present

- Conceptualized, designed, programmed, launched and documented (kalba.readthedocs.io) an app for Linux, MacOS and Windows with Tauri and Vue.js
 - Created a system for users to look up definitions of words in a text using high-quality pre-built and custom dictionaries while tracking their learning through syncing word knowledge with Anki
 - Made use of Stanza NLP as well as patterns described by a custom DSL (github.com/BrewingWeasel/spyglys) to determine appropriate grammatical information about the text

Helpmyfriendcantdraw (github.com/BrewingWeasel/helpmyfriendcantdraw) Jun 2025 — Present

- Created and deployed a multiplayer concurrent drawing website written in Gleam
 - Used OTP to ensure scalability, fault tolerance, and high concurrency across a distributed system

Gleamgen (github.com/BrewingWeasel/gleamgen) Nov 2024 — Present

- Developed an innovative library that generates type-safe and correct Gleam code using phantom types

Lilac (github.com/BrewingWeasel/lilac) Nov 2025 — Present

- Created a string manipulation programming language based on pattern matching

Shush (github.com/BrewingWeasel/shelltranspiler) Nov 2023 — Feb 2024

- Experimented with designing and implementing a programming language that is transpiled into a POSIX compatible shell script

SKILLS

- **Programming Languages:** Rust, Go, Python, Typescript, HTML/CSS, SQL, Bash, Gleam, Erlang, Lua, Elixir
- **Technologies:** Git, Tailwind CSS, Vue.js, Tauri, Linux, Docker, Github Actions, Adobe After Effects
- **Languages:** English (Native), Lithuanian (Self-taught; estimated B2 level), Spanish (Studied in school; estimated B1 level)