Hunter Praska   Software Engineer

me@hunterpraska.com | 000.000.0000 | Iowa

Programming Languages

Rust, Go, SQL, Scheme, RISC-V Assembly

Links

Website: *hunterpraska.com*
Github: *huntiep*
Git: *git.hunterpraska.com*

Tools

Vim, Git, Bash, Postgresql, Linux

Other Skills

Japanese (Low Intermediate)

Employment

Factory3: November 2022 - Present
Assembled components and identified many improvements in processes and tooling.

Lumber Store: August 2022 - November 2022
Fulfilled and delivered orders of home-building materials for local contractors.

Factory2: May 2019 - Aug 2020
Operated machinery and ensured the smooth operation of the assembly line. Also performed regular quality tests.

Factory1: Dec 2018 - May 2019
Worked in the paint department cleaning and inspecting parts about to be painted.

Projects

My projects are available on *GitHub*.

Minerva
github.com/huntiep/minerva
A Scheme interpreter inspired by the interpreter outlined in *Structure and Interpretation of Computer Programs*. It implements a register-based virtual machine which it compiles for.

Hestia
github.com/huntiep/hestia
A life management software featuring a reminder system, a multi-account ledger, and an inventory system.

S Assembler
github.com/huntiep/sasm
A self-hosting assembler for the RISC-V architecture, capable of producing ELF executables with no external code.

Rust and Cargo
I made some contributions to the Rust compiler and Cargo. My work on the Rust compiler was focused on improving error handling. This required adding information about compiler desugaring of the *?* operator. You can see all of my open source contributions *on GitHub*.

Valentine
github.com/huntiep/valentine
A minimal Git server for low-power environments like VPSs. Its design is inspired by the design of Gitiles.

legv8debug
github.com/huntiep/legv8debug
An emulator for the legv8 (ARM) architecture. Supports debugging of assembly programs with breakpoints and inspection of memory and registers. Includes an assembler and a disassembler.