

May Tusek

Eugene, OR | tusek.may@gmail.com | github.com/queercat | linkedin.com/in/may-tusek-69a455168/ | moon.horse

Work Experience

Staff Engineer

February 2023 — Present

Twenty Ideas

Eugene, OR

- Led architecture and implementation of major features for at-scale cloud platform.
- Architected, implemented, and communicated technical designs to clients and stakeholders.
- Supported and elevated my team by distilling infrastructural and project knowledge alongside mentorship.
- Developed internal AI / ML products with BERT and multi-language text classification and generation.

Software Engineer

November 2022 — February 2023

Fundament Software

Remote, OR

- Worked on the Scopes compiler.
- Wrote standard libraries and frameworks.
- Built internal tooling for benchmarking.

Software Engineer

January 2022 — November 2022

Glimmertech

Eugene, OR

- Built 3D and VR applications using Unity and C#.
- Developed scalable infrastructure with Firebase.
- Built application forms for supporting registration and usage of application.

Software Engineer & Database Administrator

December 2019 — September 2020

B & R Autowrecking

Eugene, OR

- Created applications to handle billing and processing of millions of inventory items, optimizing out a manual process with a 10,000% increase in efficiency.
- Presented results of data analysis and internal accounting to key stakeholders.
- Built internal tooling in Rust and Python.

Projects

Lisp Implementations, C, C#, Rust, Python (github.com/queercat/bagel, github.com/queercat/borger, github.com/queercat/mal-python, github.com/may-20i/MAL)

- Built several LISP implementations in multiple languages to explore language design and compilation concepts.

Pratt Parser, JavaScript, TypeScript, Node (github.com/queercat/bantam-pratt-parser-typescript)

- Built a Pratt parser for the Bantam language in TypeScript.
- Was merged into the references repository by Rob Nystrom.

Lua Parser, JavaScript, TypeScript, Node (git.moon.horse/mayo/jlua, moon.horse/tools/lua-parser)

- A working Lua parser in TypeScript.
- Hand written lexer and parser.

CelestAI, TypeScript, JavaScript, Node, Python, GPT-3, OpenAI (github.com/queercat/CelestAI-Chat)

- A chatbot that is finetuned off of a novel data generation pipeline built with GPT-3.

Skills and Awards

- **Programming Languages:** Python, JavaScript, Java, Go, C++, SQL, C#, Bash, Rust, HTML / CSS, Ocaml, Elixir, Ruby, Lua, C, TypeScript
- **Technologies:** Express.js, Jest, Vitest, jQuery, React, Next.js, Flask, Vue, Unity, Firebase, Docker, Git, GitHub, BERT, AI / ML, Compilers, Websockets, Webassembly, Phoenix, Ruby on Rails