

# Alexander Holiman

✉ [alek.holiman@gmail.com](mailto:alek.holiman@gmail.com) 📍 Minneapolis, MN 🌐 [/alekh.netlify.app](https://alekh.netlify.app) ☎ (952) 843 3397 📄 [/alexander-holiman](https://www.linkedin.com/in/alexander-holiman)



## EDUCATION

**University of Minnesota, MN**

**SEP 2021 - MAY 2025** (GPA: 3.6)

*Computer Science (Bachelors); Japanese Studies (MNR)*

**Kanda University of International Studies, Japan**

**AUG 2023 - DEC 2023** (GPA: 3.7)

*Study Abroad, IES*

## SKILLS

**Programming Languages:** Rust, C, Python, C++, Java, Type/JavaScript, HTML, CSS, OCaml, Lua, Go, SQL

**Frameworks/Tools/Tech:** Git, GitHub, Django, Flask, SQLite, React/Node.js, MongoDB/PostgreSQL, Docker, Vim

**Operating Systems:** Linux (Debian/Ubuntu, Arch), Bash scripting, x86-64 ASM, Linux file-system/CLI knowledge

**Concepts:** Machine Learning/AI (Pytorch, OpenAI API), Game/Software Development, Full-Stack, Embedded Systems, Multithreading, DevOps, Graphical Programming, RESTful API, Databases, Data Structures, Computer Architecture

## PROFESSIONAL EXPERIENCE

**University of Minnesota - CSCI Teaching Assistant**

**SEP 2024 - CUR** (Minneapolis, MN)

- Leading a university computer science lab for topics in the class *Computer Architecture & Organization*
- Assisting students during office hours regarding course projects and assignments
- Teaching coding and computer arch concepts (ex: memory, cache, pointers, bit representations, etc.) with C and ASM

**BestBrains - Coding Instructor**

**MAY - SEP 2024** (Maple Grove, MN)

- Taught youth ages K-12 tech skills and foundational aspects of coding with Python, HTML, and CSS
- Directly explained coding concepts and helpful tools, assisted in promoting drive to learn and creativity
- Expanded ability to condense technical information to be easily understandable and profound

**NeverEnding - Backend Developer**

**MAY - AUG 2024** (Cleveland, OH)

- Built and deployed features for the 2D character creator tool used by 40,000+ users
- Used local Postgres database to test API calls for dev build, RESTful implementation
- Created backend functions within a Django framework, wrote unit tests for these functions
- Implemented and debugged features for a custom color palette in the app with a team
- Contributed ideas and helped architect the color palette Python backend and some of the frontend

## PROJECT EXPERIENCE

**Midas Language | (Rust, Java, ASM)**

- Mini-language/compiler, basic parser/lexer, expression tree, literals, statements, global state, WIP

**Capybara AI | (Three/React.js, JavaScript, HTML/CSS, Flask, Groq API)**

- Groq AI chatbot with a capybara personalization, implements RESTful API calls, and conversation stored states

**Box-It GUI | (Python, PyQt)**

- File sorting app with drag & drop support for files, GUI in PyQt, customizable paths/name

**NeoVim Config | (NeoVim, Lua)**

- Personalized configuration for NeoVim suited for my Linux environment, LSP/linting support, code actions, etc

**Text Rain | (TypeScript, GopherGfx)**

- Website graphic project made in TypeScript, implements color collisions, text generation, customized settings