

Alexander Holiman

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EDUCATION

University of Minnesota, MN

Computer Science (Bachelors)

Japanese Studies - AMES (Minor)

SEP 2021 - MAY 2025 (GPA: 3.6)

Kanda University of International Studies, Japan

Japanese Language & Culture (Study Abroad)

AUG 2023 - DEC 2023 (GPA: 3.7)

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