

Alexander Holiman

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EDUCATION

University of Minnesota, MN

(SEP 2021 - MAY 2025) - GPA: 3.6

Computer Science (BA); Japanese Studies (MNR)

Kanda University of International Studies, Japan

(AUG 2023 - DEC 2023) - GPA: 3.7

Study Abroad, IES

SKILLS

- Proficient in Python, Java, C, and Rust; Have used in various work/projects
- Experienced with Assembly, React, Java/TypeScript, HTML/CSS, Lua, and C++
- Acquainted with Linux and distributions including Debian, Ubuntu, and Arch; Vim/NeoVim and Bash scripting
- Familiar with Nodejs, SQL, SQLite, Flask, Django, Postman, and PostgreSQL
- Knowledgeable using Git/GitHub and Docker; Jira/Slack previous work experience

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, etc.) with C and x86 assembly

BestBrains, Coding Instructor

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

- Taught youth ages K-12 tech skills such as Python, Scratch, & HTML/CSS
- Directly explained coding concepts and assisted in learning
- Expanded ability to condense technical information to be easily understandable

NeverEnding, Backend Developer

(MAY 2024 - AUG 2024) - Cleveland, OH

- Built and deployed features for the 2D character creator tool
- Used local Postgres database to test API calls for dev build using Postman
- Created backend functions within a Django framework
- Implemented and debugged features for a custom color palette in the app
- Contributed ideas and helped architect the color palette back-end

PROJECT EXPERIENCE

Midas Language

- Mini-language/compiler using Rust, Java, & ASM, basic parser/lexer, expression tree.

Capybara AI

- Groq AI chatbot with personalization, Three.js, React, Javascript front-end implementation, Flask backend

Portfolio Website

- Customized website made with Vite, React, JavaScript, and CSS/HTML.

Box-It GUI

- File sorting script made in Python with drag & drop support for files, GUI in PyQt, customizable paths/names.

NeoVim Config

- Personalized configuration for NeoVim using Lua suited for Linux OS, LSP/linting support, code actions, etc.

Terminal Wordle

- Python minigame played from terminal, emulates popular NYT game Wordle.