

Benjamin T. Hinchliff

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Project Website: benjaminhinchliff.com

Education

California Polytechnic State University, San Luis Obispo (Cal Poly)

Bachelor of Science in Computer Science, June 2025

GPA: 3.79

Skills

Programming Languages: Web languages - HTML, (S)CSS, JS (& TS), WASM; Java, C, C++, Rust, Zig, Assembly (x86, x86_64, arm64)

Web Frameworks: React, Vue, Angular, jQuery, & Svelte

Databases: SQL (mySQL, PostgreSQL), MongoDB

Applications: VSCode, Visual Studio, (Neo)Vim, Microsoft Office / LibreOffice

Application Development: Familiarity with Windows API, GTK+, QT, WxWidgets, FLTK, including on Linux/Unix

Paradigms: OOP & Data Driven Programming

Programming Projects Examples

Full (uncurated) list at <https://benjaminhinchliff.com/projects>

Canvas TUI Todo List - <https://github.com/BenjaminHinchliff/canvas-todo>

Technologies Used: Python (Textual), CSS, REST API

- A small TUI (GUI in the terminal) to browse and view upcoming canvas assignments, automatically updated, without having to open canvas itself
- Intended to be run in the background to keep track of assignment states in real time
- Built to be lightweight & cross-platform to make keeping track of my assignments easier

Portfolio Website - <https://benjaminhinchliff.com>

Technologies Used: Svelte(kit), SSR, HTML, SCSS, TS, JS, GraphQL, Vite

- A simple portfolio website built to last
- Uses SSR and caching techniques to (optionally) work without JS
- Uses a production framework and a real build system
- So compact, it loads relatively fast even the slowest networks (even DSL)

Dungeonator - (demo) <https://benjaminhinchliff.github.io/dungeonator-demo>

Technologies Used: C99, CMake, C++ & Catch2 (for tests), doxygen (for docs)

- A small C library designed for procedural dungeon generation without the hassle
- Core code is written entirely in standards-compliant C99
- Fully documented (<https://benjaminhinchliff.github.io/dungeonator>)

Computer Science Experience

Software Developer - Venadvisory (40 hrs/wk)

June 2019 – Sept. 2020 & June 2021 – Sept. 2021

- Worked on a consumer analytics platform called Versational
- Found & fixed potential security issues including XSS, SQL Injection, and backend information on the frontend
- Gained professional experience with NextJS (React), AWS, Redux, AssemblyAI, and many misc. Skills

Misc Software Development

- Websites updates and maintenance for local businesses in the East Bay, including Ristorante Amoroma (amoroma1.com)