

Walter Magill

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EDUCATION

Dartmouth College, Hanover, NH

Class of 2025

Bachelors of Arts in Computer Science Major Modified with Economics

GPA: 3.67/4.0, Major GPA: 3.7/4.0

- National Collegiate All-Academic, Dartmouth Skiing.

Steamboat Springs High School, Steamboat Springs, CO

Class of 2021

High School Diploma

Weighted GPA: 4.3; Unweighted GPA: 4.0

Skills:

Languages: Python, Java, C, C++, C#, JavaScript, HTML, CSS

Frameworks & Tools: React, Node.js, Unity, Git, OpenAI API, Google Cloud Functions, REST APIs

Other: AutoCAD Civil 3D, Microsoft Office Suite, GIS, Agile Workflows, Data Structures & Algorithms

WORK EXPERIENCE

Prompt Engineer Intern, Audos, New York, NY

June 2024-August 2024

- Integrated OpenAI APIs to power intelligent chatbot workflows that automated client-specific support and operations.
- Built and deployed dynamic, custom-branded micro web pages for client onboarding and engagement using HTML, CSS, JavaScript, and REST APIs.
- Used Google Cloud Functions to support multi-step OpenAI API workflows, extending logical reasoning and output length by 5×.
- Balanced technical development and client support in a fast-paced startup, maintaining quality user experiences.

Four Points Surveying and Engineering, Steamboat Springs, CO

Civil Drafter

May 2021-August 2022

- Partnered with engineers and clients to align geospatial layouts and elevation models with project requirements.
- Led topographic mapping in AutoCAD Civil 3D, ensuring accurate representation of site features for permitting, design, and construction workflows.

Office and Survey Assistant

May 2019-September 2020

- Managed inventory, prepared field kits, and coordinated logistics to support survey crews and streamline operations.
- Collected and processed topographic data using GPS and Total Stations, incorporating GIS workflows to ensure accurate mapping and documentation.

PROJECTS

Lesson Link - (Full-Stack Lesson Planning Platform), Hanover, NH

March 2025-June 2025

React, Node.js, PostgreSQL, Prisma, Tiptap, Zustand, Chakra UI

- Designed and deployed a full-stack lesson planning platform for educators to create, organize, and remix content, featuring CCSS tagging, standards integration, collaborative editing, and privacy controls.
- Built a secure Express/Prisma backend (auth, CRUD, email sharing) and a modular React frontend with Tiptap rich-text editing, Zustand state management, and Chakra UI components. Deployed full stack via Render.

Echo Echo - (Unity-Based 2D Time-Travel Game), Hanover, NH

October 2024-March 2025

Unity, C#, Aseprite, Git

- Developed level mechanics, tilemap collisions, and scene transitions across four themed eras using Unity, C#, and event-based systems
- Collaborated on a 6-person agile team using Git for version control and iterative development.

Tiny Search Engine, Hanover, NH

January 2023-March 2023

C, Bash, Git

- Designed and implemented a modular search engine in C with web crawling, indexing, and querying components.
- Applied core data structures and algorithms, and conducted rigorous testing and optimization.

LEADERSHIP AND ATHLETICS

Dartmouth Men's Nordic Ski Team, Hanover, NH

September 2021-June 2025

- Committed 35 hours per week for 10 months annually to high-level training while managing a full academic course load; followed a strict performance regimen with the nation's 3rd ranked ski team.

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- Competed at the 2022 NCAA Championships and represented Team USA at Junior Worlds; leveraged goal-setting to drive individual and team success.