

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