

Cole Williams

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EDUCATION

University of Vermont

Burlington, Vermont

B.S. Computer Science |

Expected May 2028

Relevant Coursework: *Intermediate Programming, Data Structures and Algorithms, Computer Organization, Discrete Structures*

SKILLS

- Programming Languages: Java, JS, Python, Lua, Swift, React, C++
- API: React Native, Node JS, EmailJS, Plaid
- SQL: MySQL, MongoDB

PROJECTS

RASPICO-8 | Personal Project

Hardware & Software development

- Connected joysticks, buttons, and an external screen to a Raspberry PI-4 using **GPIO pins**.
- Implemented a **shell script** so that when turned on, the PI-4 would boot up PICO-8
- Mapped out and programmed all inputs for the cabinet using **Lua**

Slurp Slop | UVM Computer Science Fair 2025

Google Chrome Extension

- Designed a Google Chrome extension that acts as an ad blocker, filters out low quality websites via domains, and **block out** the Gemini AI overview
- Developing a user friendly popup UI using extensive **JS** and **CSS** to make it so every main feature of the extension is toggleable, as well as being able to **filter out** more websites
- Using extensive logic, our group managed to block the fetch requests that the browser uses for the AI overview, mainly by targeting network requests labeled “data-async-...” using JS for the logic, and JSON for the rules

WORK EXPERIENCE

University of Vermont

Burlington, Vermont Orientation Leader

August 2025 → August 2025

- Working with a team of roughly 200 other Orientation Leaders, managing groups of new and incoming students. Also using Microsoft Teams to communicate with our specific groups.

University of Vermont (Current)

Burlington, Vermont Emergency Medicine Web Developer

November 2025 → Now

- Using Drupal to create and design a new Emergency Medicine web page for the University of Vermont, while communicating with various staff members/doctors
- Working with various other developers on the team at UVM to also make sure that the webpage is accessible, and much more manageable than the previous webpage