

# Uhuru Hashimoto

uhuru.g.hashimoto.23@dartmouth.edu ❖ (509) 899-0530 ❖ Hanover, NH

---

## EDUCATION

---

### Dartmouth College

**Class of 2023**

*Computer Science and Engineering Double Major*

*Hanover, NH*

- Computer Science
  - [Github](#) uhuruhashimoto
  - [Tiny Search Engine](#) – A search engine that crawls pages to a specified depth. C, Summer 2021
  - [Giftly](#) – An Android ARCore app distributes presents through virtual golf. Java, C#, Unity, Winter 2020
  - [Sudoku Solver](#) – A recursive brute-force approach to sudoku, with some optimization. C, Summer 2021
  - [Project Music Queue](#) – A playlist blockchain simulation centered on user voting. Python, Spring 2021
  - X86 Build: Full Y86 Instruction Set Architecture – constructed in Logisim, Spring 2022
  - Experience with Python, C, C#, Java, bash/shell scripting, Assembly, training ML models, CI/CD, git collaboration, SQL database programming with Android apps, C firmware for microcontrollers
- Note that due to Dartmouth Honor Code restrictions, my class code is restricted to private repos. Please email me and I will grant permissions.*
- Electrical Engineering (with a focus on Power Electronics)
  - [Power Electronics](#) – Laboratory graduate course taken as culminating experience, Fall 2022
  - [Analog Heart Rate Monitor](#) – Signal Filtering, BBM Switching, and Class D Amplification, Winter 2021
  - [Wordle on FPGA](#) – FPGA allocation in VHDL, Xilinx Vivado, Spring 2022
  - [Duck Car](#) – Modelling and stabilizing system topology with analog PID controller, Fall 2021
  - [Origami Shelter](#) – Budgeting, structural engineering, and performance optimization, Winter 2020
  - Laboratory experience with Analog and Digital Electronics: Oscilloscope Usage/Tuning, Filters, Frequency Domain Analysis, Amplification, Arduino microcontrollers (bare metal code optimization)
  - SolidWorks, MATLAB, SISOTool, OrCAD Capture/PSpice, Xilinx Vivado, VHDL
- Three Professor Citations for Excellence During Freshman/Sophomore Years
- Division I XC/Track and Field athlete

### Ellensburg High School

**Class of 2018**

SAT 1570

**unweighted GPA: 3.96**

## RELEVANT WORK EXPERIENCE

---

### Ascend Analytics

**June 2022 – June 2023**

*Backend developer (intern)*

*Boulder, CO*

### Les Schwab Tire Center

**August 2020 – December 2021**

*Mechanic*

*Ellensburg, WA*

## VOLUNTEER EXPERIENCE

---

### NANANordic Volunteer Coach

**March 2018**

### Ellensburg Ski Team Assistant Coach

**September 2020 - March 2021**

### Hanover High School XC Assistant Coach

**August 2021 - November 2021**

## SKILLS & INTERESTS

---

- **Skills:** Bare metal optimization, abstract problem solving, backend dev, app dev, laboratory circuit analysis, power electronics, systems control, embedded systems design, public speaking
- **Interests:** Alpinism (climbed Rainier twice in 2020), climbing (rock/ice, sport/trad, alpine), mountains, Linux