

Uhuru Hashimoto

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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