

Nathaniel Dimick

natdimick@gmail.com | 603 960 2627 | 13 Bridge St. Orford, NH 03777

github.com/natedimick | natedimick.com | linkedin.com/in/natedimick

EDUCATION

Brandeis University

May 2020

Bachelor of Science Cum Laude in Computer Science (Minor in Economics)

Major GPA: 3.83 | Cumulative GPA: 3.67

Selected Coursework: Data Structures, Algorithms, Operating Systems, Database Management, Autonomous Robotics

EXPERIENCE

Code for America

Bradford, VT

August 2020 – Present

Full-Stack Engineer Volunteer – Code for UV Brigade

- Accelerated progress on stagnant projects.
- Deployed web-based software solutions to problems derived from community need.
- Contributed asynchronously to a fully remote team with frequent communication.

Brandeis University

Waltham, MA

January 2019 – December 2019

Undergraduate Teaching Assistant – COSI 121b and COSI 119a

- Directed hands-on lab sessions for students to use a small fleet of robots.
- Enhanced the course's code base by refactoring old code and improving documentation and readability.
- Navigated as a team with other TAs to coordinate grading, office hours and review sessions.
- Advised students with thoughtful and thorough code review, promoting best practices.

The Aloha Foundation

Fairlee, VT

June – August, 2013 – Present

Kahuna / Senior Leadership Team, Assistant Swimming Department Head – Horizons Day Camp

- Mentored counselors and campers of all ages at our waterfront with safety as the priority.
- Refined communication materials for additional clarity and content.
- Generated solutions to complex logistical problems with the director and other senior leaders.

SKILLS

Programming Languages: (proficient; 4-6 years) Python, Java, SQL; (familiar, 1-3 years) JavaScript, C++, HTML, CSS, Scheme, Bash

Frameworks, Tools and Environments: ROS, Flask, SvelteJS, NodeJS, Git, SQLite3, PostgreSQL, Redis, MongoDB, Arduino, Ubuntu Linux, Windows

PROJECTS

Robot Services: A ROS package written in Python designed to allow researchers to use a robot without learning ROS, using Redis to facilitate topic-based communication of JSON-serialized information to and from a ROS environment to external applications.

Fun Holidays API: A RESTful API for the dates and names of over 7,000 unique annual holidays from around the world. Built with Flask and hosted on Heroku, with data scraped from a handful of credible sites using BeautifulSoup.

Ruralnet: A site in development from Code for UV that tests user's internet speed and collects location information to compare measured speeds against ISP's advertised speeds on an ArcGIS map. Intended to expose underserved rural Vermont communities in hopes of inspiring action from ISPs or legislators to expand broadband access.