

TYLER VERGHO

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EDUCATION

Dartmouth College, Hanover, NH

June 2023

Bachelor of Arts, Major in Computer Science

GPA 3.91/4.0

Relevant Coursework: Full-Stack Web Development⁺, Smartphone Programming⁺, Discrete Mathematics, Software Design & Implementation, Data Structures/Algorithms, Artificial Intelligence, Computer Architecture

⁺ Received citation for academic excellence

Honors/Awards: 2019–2020 Rufus Choate Scholar (top 5% of the class)

EXPERIENCE

Dartmouth DALI Lab, Hanover, NH

August 2020–Present

Lead Software Engineer

- Collaborate in teams of 5–6 student developers and designers over a 10-week term on production-ready web and mobile applications for start-ups, entrepreneurs, and researchers in an on-campus incubator at Dartmouth.
- Oversee 50+ developers in the lab, including leading weekly workshops and meetings, organizing mentorship and developer onboarding programs, and building out documentation, custom code templates, and technical resources.
- Spearheaded an anti-phishing education platform with 1,800+ participants and \$10,000 in prizes offered for Dartmouth faculty and students to raise awareness about email-based phishing.
- Mentored a team of 3 developers on a full-stack React Native live gameshow application integrating in-app payment processing, video streaming, and APIs such as Firebase, PayPal, and AWS.

Edia, remote

March 2021–July 2021

Software Engineer Intern

- Developed content, user-facing features, and internal tooling with React and Node.js for a platform to make K-12 math practice accessible and simple for teachers.
- Built 50+ custom practice problem generators in JavaScript that directly reached hundreds of active users weekly.
- Implemented custom internal tooling decreasing initial load times on the content development environment by over 50%.

Trout Insights, Minneapolis, MN

December 2020–June 2021

Freelance Web Developer

- Developed a React and Mapbox-based full-stack web application supporting extensive custom functionality, including integration with Firebase, custom mapping layers and schemas, and incorporating existing mobile application APIs.
- Implemented a custom WordPress plugin integrating e-commerce data with a Firebase backend, increasing customer acquisition by 50%+ weekly with the streamlined subscription flow.

Swing Left Greater Boston, Boston, MA

March 2020–November 2020

Web Developer Intern

- Implemented a custom WordPress e-commerce platform enabling Swing Left volunteers to purchase and send 70,000+ postcards/week to mobilize voters.
- Collaborated with organization volunteers to implement new designs and provide technical support for Swing Left's Boston chapter's WordPress website.

LEADERSHIP & ACTIVITIES

Dartmouth Forensics Union

August 2019–Present

- Winner of the 2021 National Debate Tournament and Rex Copeland award for best overall season-long performance in collegiate policy debate.

Full-Stack Web Development (COSC 52), Teaching Assistant

June 2020–June 2021

- Provided one-on-one feedback and assistance to students, graded assignments, designed custom tutorials for full-stack web development using frameworks such as React, React Native, Express.js, ES6, Webpack, and HTML/CSS.

SKILLS & INTERESTS

Technical: HTML, CSS, Sass, JavaScript, Express.js, Node.js, React, React Native, Firebase, Python, C, MongoDB, Git, VHDL

Awards: Presidential Research Scholar, Dartmouth Forensics Union Brooks Cup

PROJECTS & CONTRIBUTIONS

Dartmouth IDEA Lab (January 2021): Next.js, React, Sass, custom CMS – <https://dartmouthidea.org/>

RecTree (October 2020): React Native, AWS, GraphQL, Serverless, Plaid/Stripe – <https://github.com/tvergho/grapevine>

Scribble (August 2020): Firebase ML Kit, TensorFlow, Android Studio – <https://github.com/tvergho/scribble>

nchtr.io (July 2020): React, Firebase, AWS – <https://github.com/tvergho/nchtr-io>

Open Source – <https://git.io/JcMnS>