

## EDUCATION

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- Software Development Bootcamp - Upright Education 2022
- Javascript Ignition - Burlington Code Academy 2021
- Bachelor of Science - Applied Mathematics | University of Vermont 2009

## TECHNICAL SKILLS

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- JavaScript
- React
- Node.js
- Express.js
- Next.js
- Bootstrap
- HTML/CSS
- Sass
- MySQL
- MongoDB
- Git/Github
- Wordpress

## TECHNICAL PROJECTS

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Bear Cobble HQ | [bearcobble.com](https://bearcobble.com) | Next.js, Sass, MySQL, Smartrek Systems

- Information systems dashboard for a large-scale sugaring operation including: real-time display of equipment monitoring sensors, digital maps, real time weather sensors, weather forecasts, woods infrastructure repair and issue tracking lists, equipment performance logs, yearly production records.

CreekVT | [creekvt.com](https://creekvt.com) | React, JavaScript, HTML5, CSS3, PHP, MySQL, Wordpress, Express.js, Heroku, Amazon AWS

- A collection of resources for Vermont whitewater kayakers including: real time flow information, river level reporting system and database, remote camera integration, real time weather data and radar, race management and registration system with custom CMS for race organizers, variety of river guides, maps and other information.

Halls & Hawk Lakes Property Owners Association | [hallshawklakes.ca](https://hallshawklakes.ca) | JavaScript, HTML5, CSS3, PHP, MySQL, Wordpress

- A property owner's association website for a Canadian Lakes Association focused on dissemination of information including: membership management system, volunteer signup system, woocommerce store, newsletter management system. Migrated from a previous Wordpress site and host in 2020 with additional features added through 2022.

## PROFESSIONAL EXPERIENCE

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Upright Education | Software Development Program Technical Assistant – July 2023 - Present

- Assisted teachers and learners in all aspects of a web development program teaching the MERN stack
- Guided learners with homework and labs, graded and provided feedback on projects, held office hours to answer questions of all variety.

Sap Mappers LLC | Owner/Operator – May 2018 - Present

- Provided cartographic services utilizing GPS / GIS software for large scale sugaring operations as well as a variety of additional clients.
- Created infrastructure network identification and labeling systems, as well as infrastructure inventory systems
- Produced digital, web-based, and printed maps and instructed end-users on their implementation.

Bear Cobble Sugar Works | Production Specialist – October 2018 - Present

- Established information management systems, including construction of a web-based dashboard for equipment sensor output, weather information, maps and infrastructure repair tracking table.
- Produced maps and maintained infrastructure data via GIS software.
- Oversaw Sugarhouse Certification via VMSMA - passing as the first operation to require no corrective actions.
- Researched and compiled proposals for equipment and infrastructure upgrades. Researched and applied for grants.

Runamok Maple | Cost Analyst / Production and Inventory Manager January 2015 – January 2018

- Scheduled and oversaw production of retail products and managed inventory of finished goods and raw materials.
- Established systems for batch tracking, production flow and scheduling, and order management.
- Performed cost analysis of production, including quoting private label work.
- Assisted the accounting department with costing of production, inventory valuation and special projects.