

# MATHEW DE VIN

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## EDUCATION

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### THE UNIVERSITY OF BRITISH COLUMBIA

Bachelor of Science - Computer Science | Sep 2018 - April 2022

- Co-authored a peer-reviewed research paper on a computer science learning platform, published in IEEE Xplore ([An Open CS1 Learning Platform to Promote and Incentivize Deliberate Practice](#)).
- Acted as the **front-end technical lead** for the research paper, enabling **fast-paced iteration** and **prototyping**.

## WORK EXPERIENCE

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### FRONT-END DEVELOPER - MID-SENIOR

Momentum Dashboard | Nov 2022 - Present

- Shipped and maintained core dashboard features used by **3,500,000+ users**, including **Notes, Tasks, AI Chat, Links, Tab Management, Site Blocking, Soundscapes, Custom Metrics, Weather, Photos, and Focus Mode Tools**.
- Led **Backbone-to-Vue migration**, improved **CI/CD pipelines**, and optimized **developer workflows**, reducing complexity and improving maintainability.
- Architected **high-performance, scalable front-end solutions** using **Vue, Pinia, TypeScript, SCSS, REST APIs, TipTap Editor, Custom ProseMirror plugins, Backbone, and the Extensions API**.
- Optimized **extension performance** and user experience, improving load times and responsiveness across the product.
- Developed front-end experiences across **multiple company products**, ensuring a **cohesive design system** and seamless navigation between dashboard, marketing, and account management sites.
- Collaborate closely with **Design, Back-End, and Product** teams to drive feature development and align with business goals.
- Acted as a **technical mentor**, fostering best practices and elevating team performance.

### FRONT-END DEVELOPER - JUNIOR

Oooh | Aug 2022 - Nov 2022

- Built **internal web tools** for moderation and management, streamlining operations for a high-growth video game social platform, managing video content for **thousands of daily users**.
- Delivered a high-performance web app with **React, Redux, TypeScript, TailwindCSS, SCSS, GraphQL APIs, and Apollo**.
- Developed **lightweight, reusable UI components**, enabling rapid iteration and consistency.
- Collaborated cross-functionally with **Design, App, QA, and Back-End** teams to launch features efficiently and seamlessly.

### LEAD FRONT-END ENGINEER - JUNIOR

The University of British Columbia | May 2021 - April 2022

- Refactored and modernized web pages while introducing responsive design and project scalability while **saving thousands of dollars in salary** by automating test data generation.
- Implemented and optimized a **state of the art algorithm** used to drastically decrease the time required to form teams by **over 90%**.

## SKILLS & INTERESTS

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Vue, Pinia, React, Redux, TypeScript, JavaScript, SCSS, TailwindCSS, REST APIs, GraphQL, Backbone, Extensions API, TipTap, ProseMirror, profiling, lazy loading, caching strategies, bundle size, webpack, Vite, CI/CD pipelines, unit and integration testing, cross-functional teamwork, technical leading, code reviews.