Ethan Braum

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PROFILE

- Full-Stack Developer skilled in React.js, Java, and agile workflows.
- Technical Skills: React.js, Node.js, TailwindCSS, Next.js, SQL, MongoDB, Java, Python, HTML5, CSS, JavaScript, Figma, Git.
- Proven problem-solving, teamwork, and leadership experience from projects like Code the Change and swim instructing.

EDUCATION

Bachelor of Science, Computer Science September 2023 – Present
University of Calgary, Alberta

- Presidents Admission Scholarship (2023)
- Ted Rogers Scholarship
- 2024 Science Dean's List
- Science Internship Program
- Highlighted courses: Data Structures and Algorithms, Data Base Management Systems, Computing Machinery 2

PROJECTS

EcoPals | *Next.js, React.js, Express.js, TailwindCSS* Feburary 2025

- Built a web app for facilitating virtual adoptions with Next.js for CalHacks 2025
- Developed a functioning back-end created with Express.js and Supabase. With user sign-up, log-in and authentication
- Enhanced react front-end react skills through building an 8-bit styled UI.

Condensation | *Java, Junit, JSON, Git, UML Diagrams* October 2024 – December 2024

- Developed a full-stack game platform with a 25-member team for SENG 300. Designed Java backend logic and worked on network communication via JSON.
- Utilized JUnit for testing and debugging, and created UML/state machine diagrams for project planning.

EMPLOYMENT EXPERIENCE

Swim Instructor April 2023 – Present
City of Calgary, Calgary, Alberta

- Trained 200+ students in swimming techniques and water safety, providing personalized lesson plans and constructive feedback.
- 95%+ student approval rating from student feedback

VOLUNTEER EXPERIENCE

Full Stack Developer October 2024 – Present
Code the Change, Calgary, Alberta

- Developed responsive user interfaces using Figma, TypeScript, TailwindCSS, and React.js, improving website load speed by 2 seconds and increasing user session duration by 20%.
- Collaborated in an agile team to redesign Code the Change's website, reducing bounce rates by 15%.
- Delivered key features on schedule, contributing to a 25% faster project completion time.

Coding Instructor September 2023 – June 2024
Calgary Public Library, Calgary, Alberta

- Taught coding fundamentals to kids at the local library, introducing them to Scratch and Python.
- Increased student engagement through interactive coding activities and hands-on projects.

ACHIEVEMENTS

3rd Place: University of Calgary End-of-Year Coding Competition
4th Place: Alberta Collegiate Programming Contest (Division 2)
Perfect Score: Math, Physics and Chemsitry Provincial Diplomas
GPA: 3.88