

Zachary Corber

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EDUCATION

Concordia University – Gina Cody School of Engineering and Computer Science, Montreal, QC
Bachelor of Engineering, Software Engineering 2022 – 2027E

John Abbott College – Saint-Anne-De-Bellevue, QC
DEC in Commerce 2020 – 2022

SKILLS

Programming Languages: Java, Python, C, C++

Web Development: HTML, CSS, JavaScript, TypeScript, Node.js, Express.js, React.js, Bootstrap, MongoDB, MySQL

Environments: Eclipse, Visual Studio, Thonny, Brackets

Hard Skills: Data Structures, Algorithms, Computer Hardware, Object-Oriented Programming, Operating Systems, Git, Data Analysis

Soft Skills: Leadership, Teamwork, Adaptive, Multitasking, Communication, Problem Solving

Languages: English, French

WORK EXPERIENCE

Data and Software Developer Intern May 2025 – August 2025

Weddly – Montreal, Quebec

- Improved data quality by cleaning large data sets to optimize internal analytics
- Implemented modern web technologies such as HTML and CSS to refine website development and design
- Collaborated with a cross-functional team in a fast-paced environment to streamline tasks, improving project efficiency

Freelance Computer Technician

Nov 2019 – Present

Self Employed – Montreal, Quebec

- Built custom computers tailored to client needs, such as gaming, productivity and general use systems
- Configured all hardware components such as motherboards, CPUs, GPUs, RAM
- Installed operating systems along with all necessary drivers and software
- Performed major upgrades such as GPU replacements, RAM expansion, storage installation and CPU modification
- Ensured both hardware and software systems were functional and stable

PROJECTS

Full Stack Grading Management System (MERN Stack, TypeScript)

- Implemented account creation and role assignment for students and instructors
- Instructor features include creating and renaming groups to then add and remove students
- Students can grade peers and view their grades as numerical data and performance graphs
- Established a full login-logout functionality with secure data storage via MongoDB
- Designed and developed this project in a group setting, fostering skills in teamwork and agile development practices

Campus GPS Navigation App (React Native, Expo, TypeScript)

- Led a 10-member student development team, coordinating tasks, timelines and technical decisions throughout the project
- Developed a cross-platform campus navigation system using React Native and Expo Maps with real-time location tracking
- Designed an interactive map interface outlining specific campus buildings
- Implemented automated testing using Jest (unit/component tests) and Maestro (end-to-end tests)

Sudoku Solver (Python)

- Developed a program to solve a 9x9 sudoku matrix that analyzes the inputted information to solve empty matrix slots