Mischa Lamoureux *Software Developer*

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SKILLS

Object-oriented Programming | Agile Development | Project Management | C++ | C | Java | MATLAB | Swift
Javascript | Kotlin | Vue.js | React | Flutter | Node.js | Express.js | Axios | Redux | jQuery | REST API | MySQL
MongoDB | JSON | HTML5 | Bootstrap | CSS | Git | FTP | VHDL | FPGA Design | Quartus Prime | Jira

PROFESSIONAL EXPERIENCE

Software Developer Intern Apr 2022 – Aug 2022 | Whitby, Ontario
Mitch Insurance

- Used **Vue.js**, **Node.js**, and **jQuery** to develop a ruleset management web application that remaps internal data to communicate with external **APIs**
- Stored and managed data in **MySQL** and **MongoDB** to securely and efficiently store client information
- Designed and deployed a user feedback feature with **React** and **Axios** that connects to **Jira's REST API** for interactive task tracking
- Adhered to **Agile methodology** to produce working code in short sprints
- Expanded workplace communication and collaboration skills by participating in daily **technical scrums** with the development team

Lead Software Developer Aug 2018 – Apr 2022 | Calgary, Canada
Infinite Mind Pictures

- Administered and maintained a **cloud-hosted** environment of more than 25 servers utilizing **FTP** for deployment and **MySQL** for plugin coordination
- Contributed to and authorized nine publicly released projects comprised of custom-designed **Java plugins** and **Minecraft Command Block Script**
- Managed a team of 10 members to produce and release public educational software in partnership with the **University of Calgary** and the **Virtual Museum of Canada**
- Taught programming classes of 12 students in summer camps using **Google Workspace**, **Outschool**, and **Canva**

Contract Project Manager Apr 2022 – Oct 2022 | Calgary, Canada
Infinite Mind Pictures

- Approved, planned, and oversaw multiple projects on behalf of the Company Director
- **Mentored** and **coached** team members
- Orchestrated weekly meetings to assign project tasks on **Jira** and address team concerns
- Designed a personalized welcoming process in **Google Workspace** to assist with onboarding new team members
- **Monitored project performance** through weekly audits to ensure maximum efficiency and customer satisfaction

PROJECTS

Fitly
Cross-platform Application [*Flutter, Swift, Kotlin, JavaScript, Node.js, MongoDB, Figma*]
- **Founded and led a startup** to create a **cross-platform application** that allows clients to easily connect with personal trainers around the world
- Used **Flutter**, **Swift**, and **Kotlin** for frontend development
- Designed and implemented architecture for a **NoSQL** database with **MongoDB**
- Used **Figma** for **UI/UX design**

Chime-In
Interactive Electronic Game [*C, Microcontroller*]
- Developed a single-player Simon-inspired game in **C** with a **STM32 Nucleo Board** integrating multiple pushbuttons and addressable LEDs
- Used **Git** and **Notion** for project organization, team collaboration, and **source control**

Nuclear Energy Survey
Sentiment Analysis Software [*Java*]
- Collected and analyzed **datasets** to create decision-making software in **Java** that helps Albertans understand their views on nuclear energy generation

Adjusted Cost Base Reporting
Banking Software [*C++*]
- Developed banking software in **C++** to read, analyze, and organize financial transaction data
- Strengthened **object-oriented programming** skills, including classes, linked lists, and **memory management**

EDUCATION

Candidate for Honours Computer Engineering Co-op Sep 2021 – Apr 2026 | Waterloo, Canada
University of Waterloo