






# MANDY MEINDERSMA


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currently Canada, want to relocate 



## EXPERIENCE

### Senior Data Engineer | DrugBank

June 2022 to December 2022 – Medical Drug Database – Edmonton

Led the Data Engineering efforts of a 9-person team that parsed over 60,000 clinical trials.

Resurrected a 14+ year old **Ruby on Rails** repo, achieving 15% code coverage through unit tests.

Made critical technical decisions to optimize performance and scalability of **Python ETL pipelines**.

Provided prompt and detailed information to customer support, resolving daily issues efficiently.

### Backend Developer 2 | Dotdash Meredith

October 2019 to June 2022 – Digital Publishing Company – Edmonton

Designed + coded complex features in **Java** and **Spring** to be used by 27+ downstream teams.

Built microservices + **RESTful APIs** hosted on **AWS** for 6M pages with [high performance](#).

Utilized **Elasticsearch** to monitor data migrations + logs on over 40 sites to create high durability.

Trained 40+ developers by writing onboarding documentation, code along exercises and quizzes.

Created performance-first features using multiple forms of caching (ex: **Redis** and Ehcache).

Facilitated agile meetings with great collaboration + communication between 15 team members.

### Software Engineer Intern | Intuit Canada + Intuit USA

January 2017 to August 2018 – Financial Software – Edmonton + Mountainview, California

Coded Front-End, Back-End and User Interface automation while on 12-person team.

Specialized in coding **React**, **Redux**, **HTML**, and **CSS** with a minimum of 85% unit test coverage.

Developed expertise in implementing ARIA to enhance accessibility for users with disabilities.

Debugged Internationalization errors during translation into 8+ languages.



## EDUCATION

### Bachelor of Science, Specialization in Computing Science | University of Alberta

Graduated: May 2019 - Courses: web development (**JavaScript**, **HTTP**, **TCP**, **SSL**), Data structures, **Java**, software lifecycle (SDLC), TDD, **Git**, algorithms, **Python**, robotics + **ROS**, machine learning.



## VOLUNTEER

### Hardware Track Speaker Reviewer | Grace Hopper Celebration

April 2023 to May 2023 – Largest conference of women in tech, roughly 25,000 attendees

Reviewed 100+ speakers from around the world in a very tight timeline to create the schedule.

### Mentor | AI4Good

May to September 2021 – Program to get more minorities interested in Artificial Intelligence

Mentored a team of 4 women completing hackathon, bootcamp and final project demo.

Conducted practice interviews for the team and provided constructive feedback.



## PROJECTS

**Dev Types Workshop** - Feb 2023 - **React**, **SQL**, **AWS** - Made bugs for students to find + solve.

**Dev Edmonton Website** - Since 2021 - **Nuxt**, **Vue**, **Tailwind** - Manage open-source repo.

**Codevid** - June 2020 - **CSS**, **HTML**, **Ruby** - Lead global hackathon where site had 10K+ hits/day.

**Meeting buddy** - February 2020 - **Arduino**, **C++** - Made IoT button to indicate room status.