

# Thomas Armena

Software Engineering B.Eng Degree - McMaster University (2016-2021)

## WORK EXPERIENCE

### Technical Lead - MyPalate - [mypalate.ca](https://mypalate.ca)

Jan 2020 - PRESENT

- Main coding contributor to mobile recipe app (**Flutter**), backend service (**Golang**, **PostgreSQL**), content management platform (**React**), and continuous integration/deployment (**AWS Lightsail**, **Github Actions**, **Docker**)
- Managed a team of volunteer contributors, lead sprint meetings, allocated tasks, facilitated code review, and made major technical decisions

### Technical Lead - Llettonna - [momsovermatter.ca](https://momsovermatter.ca)

May 2020 - PRESENT

- Lead and contributed to development of a survey web app (**React**) and mobile iOS app (**Swift**) for postpartum mothers, as well as the backend for collecting and exporting user and survey data (**Node.js**)
- Made major technical decisions and worked with project manager to plan sprints and allocate tasks

### Contract Full Stack Developer - University Of Toronto - [kinundrum.ca](https://kinundrum.ca)

Sep 2018 - Dec 2019

- Developed an interactive learning website for a kinesiology course, which involved exercises such as drawing ligaments on 3D objects, drag and drop, etc (**React**)
- Developed a **RESTful API** that handled student **authentication** and progress in **Golang** and using **PostgreSQL**
- Implemented **scalable state management** for the frontend using **redux**

### Software Developer Intern - CIBC Innovation Labs

Sep 2018 - Aug 2019

- Worked on a system of smart cameras that collected and stored facial data (**Raspberry Pi**, **Azure Cloud Services**, **Node.js**, **Python**)
- Prototyped a **proximity based interface** for automatically connecting with a cluster of peripherals like card readers, scanners, printers, etc (**React**, **Electron**, **Node.js**, **C#**).
- For a digital kiosk assistant project; worked on audio and visual data collection and processing, tools for training neural network model, and **database model architecture** (various **amazon web services**, **python**, **node js**, **react**)

### Software Developer Intern - World Vision Canada

May 2018 - Aug 2018

- Created a hand gesture controlled minigame in Unity (**C#**) using LEAP (hand motion detector)

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## LANGUAGES, TOOLS CONCEPTS

**Proficient:** Golang | Swift | Dart | Javascript

**Comfortable:** Python | C++ | Java

**Tools:** Linux (Arch, Manjaro, Ubuntu) | MongoDB | PostgreSQL | Postman | Selenium | Unity | AWS | Azure | Digital Ocean | Flutter | React | Node.js | Express | Xcode |

**Concepts:** RESTful API Design | Relational Database Modeling | Algorithms and Data Structures

## INVOLVEMENT

- **McMaster Competitive Programming Team**
- CIBC Tech Co-op Social Committee
- Student Council (High School) - Minister of Communications

## AWARDS

- **1st Place** - Sheridan College Game Programming Contest 2016
- **1st Place** - **Google Tech Challenge** at McMaster University (Puzzles and Coding)
- **4th Place** - McMaster Competitive Programming Team Qualifiers