



# Zahin Mohammad


## Software Developer


4th Computer Engineering with 2 years in professional software development seeking internship and full-time opportunities

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## WORK EXPERIENCE

### Software Engineer

#### Lumina Inc.

09/2019 – 12/2019

San Francisco, California

Cryptocurrency Portfolio Management (now acquired by BitGo)

##### Achievements/Tasks

- Decreased client transaction sync time by 83% across multiple exchanges for internal users
- Integrated 10+ blockchain and exchange connection API's
- Refactored Ethereum data ingestion to scale with thousands of Ethereum tokens
- Developed tools to validate Lumina ledgers against exchange API's
- Utilised knowledge of goLang, postgresql, python, git, reactJS, gooo

### Software Engineer

#### Aterica Inc.

01/2019 – 04/2019

Waterloo, Ontario

Smart epipen case (epipen case and mobile application)

##### Achievements/Tasks

- Fixed bugs and added additional infrastructure logging in a Spring (java) server
- Assisted in developing an alert system when a user leaves an area without their epipen case (geo-fence)
- Increased manufacturing server code coverage by 44% through unit testing in Junit and Jmockit
- Assisted in software verification via smoke tests and feature testing
- Utilised knowledge of Java, git, Spring and AWS

### Android Developer

#### University of Waterloo Psychology

09/2017 – 12/2017

Waterloo, Ontario

##### Achievements/Tasks

- Created an Android game to collect information on how users react in various endgame outcomes
- Implemented CSV export feature for Game statistics (recorded while research was in progress)
- Implemented audio recording for user responses
- Implemented game settings for researchers to adjust research variables/ parameters
- Utilised knowledge of Java, and Android

## SKILLS

Golang

Kotlin

Java

Python

Python

Javascript

Dart

C/C++

NodeJs

Spring

Flask

ReactJs

Redux

Flutter

MySQL

Docker

Git

PostgreSQL

Data Mining

## EDUCATION

### BACHELOR OF APPLIED SCIENCE IN COMPUTER ENGINEERING

#### University of Waterloo

09/2016 – Present

Waterloo, Canada

##### Courses

- Software Design and Architectures
- Cooperative and Adaptive Algorithms
- Compilers (89%)
- Reinforcement Learning
- Database Systems (89%)
- Algorithms and Data Structures (81%)

## PERSONAL PROJECTS

### Social Media PoC (04/2020 – 04/2020)

- Social media proof of concept for database system course final project
- BCNF database design
- Sample data mined from github API using python
- ReactJs frontend, NodeJs backend, MySQL database

### Power Meter (11/2019 – Present)

- Mobile application to weight-lifting progress and muscle recovery
- Utilised kotlin, coroutines, room persistence, and material design
- Implements Firebase Auth with email verification
- Transitioning to Flutter for cross-platform development

### EZplanner (11/2018 – 02/2019)

- Course planning tool to find courses a student can take based on their transcript
- ReactJS frontend, microservice backend in python and NodeJs
- Implements Firebase Auth with email verification
- Used by 20% of Electrical and Computer Engineering 2021 cohort