Zachary Koo

(403) 991-1833
zmhkooseng@gmail.com

github.com/zacharykoo
linkedin.com/in/zachary-koo

EDUCATION

University of Calgary - *Bachelor of Science in Computer Science and Biological Science*

Expected graduation on April 2023 but all classes complete by December 2022

GPA for Computer Science: 3.65

SKILLS

Software Development

Languages: Java, C, C++, Haskell, Python, Golang, SQL, Javascript(Vue, Angular)   Technologies: Git, Linux

PROJECTS

EcommerceWebApplication - *https://github.com/zacharykoo/EcommerceWebApp*

January 2022 - May 2022

- Designed backend database, API and services for an E-commerce application using **Golang**
- Contributed on frontend connection and API requests using **Angular**

DistributedSystem - *https://github.com/zacharykoo/DistributedSystem*

February 2022 - May 2022

- Designed and implemented distributed system in **Java**
- Implemented system communications using paradigms, included fault tolerance and coordination with timed system paired with ACKs

Self-checkout software - *https://github.com/zacharykoo/selfcheckoutProject*

January 2022 - April 2022

- Contributed on API and software designs for self-checkout system using **Java**
- Created software test cases to ensure the application is functionally implemented in **Java**

NotScribbl.io, "Nightowl Studios" - *https://github.com/nightowl-studios/arcade*

JUNE 2020 - December 2020

- Developed a game engine and game handler using **Golang/Vue**
- Implemented a websocket based web client in **VueJS**

EXTRACURRICULAR ACTIVITIES:

Competitions:

- Alberta Collegiate Programming Contest - 12th   (2020)
- Calgary Collegiate Programming Contest - 6th   (2021)
- Member of University of Calgary Competitive Programming Club   (2020-PRESENT)

School activities:

- Executive of Badminton Club at the University of Calgary   (2017 - 2018)

Volunteering:

- Children Hospital's Rotary Flame House   (2015 - 2017)
- Foothills Medical Center's HELP program   (2014 - 2017)
- Calgary Chinese Pentecostal Church's Youth Summer Camp   (2011 - 2014)