

# AMOD KALA

amod.kala@uwaterloo.ca ◇ linkedin.com/in/amodkala ◇ github.com/amodkala ◇ amodkala.com

## EDUCATION

---

### University of Waterloo

September 2018 - April 2023

*Candidate for BA, Honours Economics, Co-op*

- Computing Minor
- Coursework in Functional Programming, Data Structures, and Algorithms

## SKILLS

---

### Languages

Go, C, Typescript, HTML/CSS

### Technologies

Linux, Git, Docker, gRPC, Protocol Buffers, React

## EXPERIENCE

---

### Software Developer Intern

September 2020 - December 2020

*SecureKey Technologies*

*North York, ON*

- Built the backend of a web app that facilitated the authentication and storage of digital, verifiable credentials for use by developer and sales teams
- Decreased build times by over 80%, enabling rapid development and deployment of the app by writing shell scripts, command line interfaces, and dockerfiles
- Expanded the interoperability of an open-source library by translating a W3 specification into code and submitting as a PR, achieving 100% test coverage
- Communicated with members of the open-source community to make improvements to open-source specifications

### Software Developer Intern

January 2020 - April 2020

*SecureKey Technologies*

*North York, ON*

- Attracted new clients by creating proof of concept web apps leveraging proprietary technology for demonstrations, resulting in the acquisition of a \$800,000+ contract
- Heavily applied public key encryption in the design of these web apps using Golang libraries
- Improved company culture by taking an active role on the social committee, planning and ensuring the success of company-wide events with more than 50 attendees

## PROJECTS

---

### Auction Simulator

January 2021

*repo*

- Creating a multi-agent auction system to further my understanding of economic auction theory

### Personal Website

December 2020

*www.amodkala.com*

- Currently migrating from plain HTML/CSS to React + Typescript