

AMOD KALA

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SKILLS

Languages	Go, C, Typescript, HTML/CSS
Technologies	Linux, Git, Docker, gRPC, Protocol Buffers, React

EXPERIENCE

Software Developer Intern <i>SecureKey Technologies</i>	September 2020 - December 2020 North York, ON
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- 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 <i>SecureKey Technologies</i>	January 2020 - April 2020 North York, ON
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- 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 <i>repo</i>	January 2021
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- Creating a multi-agent auction system to further my understanding of economic auction theory
- Agents are Go implementations of gRPC services that bid according to different auction formats
- Future updates will revolve around scalability, concurrency support, and data persistence

Personal Website <i>www.amodkala.com</i>	December 2020
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- Currently migrating from plain HTML/CSS to React + Typescript

EDUCATION

University of Waterloo <i>Candidate for BA, Honours Economics, Co-op</i>	September 2018 - April 2023
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- Computing Minor
- Coursework in Functional Programming, Data Structures, and Algorithms