

YaHeng Su

☎ (587) 284-8707 · 🌐 yaheng.io · 📧 yahengsu · in yahengsu · ✉ yaheng.su1@gmail.com

EDUCATION

University of Waterloo · B.Asc in Computer Engineering

2017 - 2022

EXPERIENCE

SecureKey Technologies

Sept 2019 - Present

Software Developer Intern - Core

Toronto, ON

- Implementing highly scalable identity protocols and data models in **Go** to reduce the number of ledger requests needed per transaction
- Developing web client features in **React/Redux** and improving client accessibility using W3C guidelines

SecureKey Technologies

Jan 2019 - May 2019

Software Developer Intern - Fullstack

Toronto, ON

- Designed a decentralized identifier model and developed a full-stack web suite in **Node.js** and **React** to verify and test model features
- Increased API endpoint security by creating an OAuth 2.0 service utilizing the authorization code flow
- Created an encrypted wallet service to support verifiable credential documents using JSON Web Tokens

TD Canada Trust - Innovation Lab

May 2018 - Sept 2018

Developer Intern - iOS

Waterloo, ON

- Implemented views and features for iOS devices in **Swift** and used ARKit to create an AR experience
- Created a virtual forex wallet app that would reduce in-branch forex transaction costs by up to 12x
- Reduced TD API implementation code by 3x by developing an iOS SDK and deployed it to CocoaPods

PROJECTS

📱 Plan.it

Javascript, Node.js, React

- Trip itinerary planner that allows users to collaboratively create, edit, and share travel plans
- Uses Kruskal's algorithm and minimum spanning trees to find the most optimal trip path and event order
- Itinerary export as .csv/.json allows for Google Calendar integration and serialization in other applications

📱 Twitch

Javascript, Node.js

- Twitch.tv chatbot that provides livestream viewers with a variety of useful chat commands
- Allows broadcasters and chat moderators to create custom chat commands through the Twitch chat interface
- Base commands include followage, uptime, viewers, title, clip, and more using the Twitch.tv API

📱 Werk It

Android, Java

- Android fitness assistant that allows users to customize workout routines and create exercises
- Features Google/Facebook authentication and Google Calendar integration to let users sync workouts

SKILLS

Languages

C/C++, Javascript, Python, Java, Swift, Go

Technologies

Git, Bash, Unix, Android, iOS, React, Node.js, MongoDB, Docker