

YAHENG SU

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SKILLS

LANGUAGES Java // C++ // Javascript // Python // Swift
FRAMEWORKS Node.js // React // Express // CouchDB // MongoDB
TECHNOLOGIES Git // Unix // Bash // Android // iOS

EXPERIENCE

SecureKey Technologies

TORONTO, ON

SOFTWARE DEVELOPER INTERN - FULLSTACK

JAN 2019 - MAY 2019

- Designed and developed a decentralized identifier model with API endpoints supporting CRUD operations
- Secured API endpoints by implementing a fully fledged OAuth 2.0 authorization code grant flow
- Created a wallet service to support storing, signing, and retrieving verifiable credential documents
- Implemented public-key encryption and integrity verification for various features by utilizing JSON Web Tokens

TD Innovation Lab

WATERLOO, ON

SOFTWARE DEVELOPER INTERN - IOS

MAY 2018 - SEPT 2018

- Prototyped iOS solutions in Swift and implemented several views, viewcontrollers, and application logic
- Created a virtual forex wallet app during company hackathon that would reduce transaction costs by up to 12x
- Developed an iOS SDK for a TD API that reduced API implementation code by 3x and deployed it to CocoaPods

PROJECTS

Twatch · JAVASCRIPT, NODE.JS, EXPRESS, MONGODB

- Twitch.tv chat bot that provides livestream viewers with a variety of useful chat commands
- Allows broadcasters and chat moderators to create custom chat commands through a Twitch chat interface
- Features polling of League of Legends player rank, match, and game data using the Riot Games API
- Commands include followage, uptime, viewers, title, clip, and many more using the Twitch.tv API

JA Sales Helper · JAVA, JAVAFX

- POS interface to electronically track sales for use by student run businesses in the Junior Achievement program
- Analyzed sales data to create market trends for users and visualized trends using JFreeChart
- Features data export options (i.e csv) to serialize data for use in external applications and programs

Werk It · ANDROID, JAVA

- Android fitness assistant that allows users to customize workout routines and create exercises
- Integrated Google Calendar API to let users sync workouts to their Google accounts and calendars
- Implemented user signup/login and data storage using Firebase Authentication API

vidstory · ANDROID, JAVA

- Vlogging app that lets users record and share short 15 second videos to other users
- Automatically compiles videos and stitches them together, allowing users to reflect on their day
- Implemented server-side authentication and data storage using Firebase

EDUCATION

University of Waterloo · B.Asc in Computer Engineering

2017 - 2022