Leon Dai

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SKILLS

Languages	Python, JavaScript, Swift, Ruby, SQL
Frameworks/Tools	React, React Native, Node.js, Firebase, MongoDB

EXPERIENCE

Application Security Engineer May 2021 - August 2021
Wealthsimple *Toronto, ON (Remote)*

- Incoming application security engineer on the trust team, creating tools with Python and Ruby on Rails.

Software Developer Jan 2021 - April 2021
Wise Systems *Cambridge, MA (Remote)*

- Designed and implemented a framework for front end logging through Firebase Performance and Analytics.
- Utilized BigQuery and Google Data Studios to help both technical and non-technical users understand the data.
- Prepared technical documentation to import data from BigQuery to AWS S3 via a Glue Job.

Developer Aug 2020 - Present
TOHacks *Toronto, ON*

- Planned and lead development of the front-end for TOHacks' applicant dashboard using React and Bootstrap, which was used by to create 1700+ applications to TOHacks 2021.
- Coordinated with back-end team to ensure a seamless experience for users through the applicant dashboard.
- Built a Discord Bot to help manage mentorship/help requests during events with Node.js and Firebase Firestore.

Secure Software Developer Sept 2019 - Dec 2019
ESCRYPT *Waterloo, ON*

- Refactored the mobile SDKs in Swift and Java to make use of the device's Trusted Execution Environment (TEE) for cryptographic functions and elliptic key storage.
- Built a parameterized pipeline using Jenkins to build, test, and archive all configurations of the mobile SDKs.
- Improved the Jenkins pipeline to test code coverage, generate reports, and reject builds depending on criteria.

iOS Developer Jan 2019 - May 2019
Intersect *Toronto, ON*

- Built multiple features for the PC Financial iOS app, currently with a rating of 4.6/5 with 73 thousand reviews.
- Implemented a scalable protocol system for user entitlements to manage privileges throughout the application.
- Created multiple reusable UIView and UITableView Components, reducing development time on UI pages.
- Collaborated with server team to perform integration with production servers for User Acceptance Testing.

PROJECTS

Watfriends Built a web app to help students connect with each other using Node.js and MongoDB. Also implemented data collection, score calculation, and user matching using Pandas and Numpy.

Vokal - Hackthe6ix Implemented a speech analyzer with React and AWS Transcriber to provide real-time feedback on flow and tone of speech.

EDUCATION

Candidate for B.ASc in Computer Engineering, University of Waterloo Expected April 2022
Artificial Intelligence Option