

# Leon Dai

lldai@uwaterloo.ca linkedin.com/in/leon-dai github.com/linchuandai

## SKILLS

---

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

## EXPERIENCE

---

<b>Application Security Engineer</b> Wealthsimple	May 2021 - August 2021 <i>Toronto, ON (Remote)</i>
--	---

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

<b>Software Developer</b> Wise Systems	Jan 2021 - April 2021 <i>Cambridge, MA (Remote)</i>
---	--

- 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.

<b>Developer</b> TOHacks	Aug 2020 - Present <i>Toronto, ON</i>
-----------------------------	--

- Planned and lead development of the front-end for TOHacks' applicant dashboard using React and Bootstrap, which is used by 1500+ people who have created 1700+ applications to the hackathon.
- 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.

<b>Secure Software Developer</b> ESCRYPT	Sept 2019 - Dec 2019 <i>Waterloo, ON</i>
---	---

- 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.

<b>iOS Developer</b> Intersect	Jan 2019 - May 2019 <i>Toronto, ON</i>
-----------------------------------	---

- 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

---

<b>Candidate for B.ASc in Computer Engineering, University of Waterloo</b> <b>Artificial Intelligence Option</b>	Expected April 2022
---	---------------------