

Leon Dai

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EDUCATION

Candidate for B.ASc in Computer Engineering, University of Waterloo

Expected April 2022

EXPERIENCE

Mobile Engineer Intern

Athos

September 2021 - December 2021

Redwood City, CA (Remote)

- Incoming mobile engineer intern, working on the Athos iOS application in Swift and Objective-C.

Security Engineer Intern

Wealthsimple

May 2021 - August 2021

Toronto, ON (Remote)

- Completed risk catalogs and prioritization using the STRIDE method and CVSS to scope new features.
- Developed and deployed a scanner service in Ruby on Rails to scan files for potential threats.
- Enhanced fraud protection by implementing an email heuristic endpoint to flag potentially suspicious emails.

Software Developer Intern

Wise Systems

Jan 2021 - April 2021

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.

React Native Developer Intern

Crease Pro

May 2020 - Aug 2020

Minneapolis, MN (Remote)

- Completed a full app revamp in React Native with corresponding server changes in Spring Boot.
- Developed a native component to implement a PyTorch model with the camera to perform ball tracking.

Secure Mobile Developer Intern

ESCRYPT

Sept 2019 - Dec 2019

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 Engineer Intern

Intersect

Jan 2019 - May 2019

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.

SKILLS

Languages

Swift, Python, JavaScript, Ruby, Java, SQL

Frameworks/Tools

React, React Native, Ruby on Rails, Node.js, Firebase, MongoDB