

# TIMOTHY LUI

✉ [lui.timm@gmail.com](mailto:lui.timm@gmail.com) | ☎ (647)-808-1910 | 🌐 [github.com/timmlui](https://github.com/timmlui)

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## SKILLS

**Languages** JavaScript • HTML • CSS/SCSS • Java • SQL • Python

**Frameworks** React • Node.js • React-Native • Angular • Storybook • Enzyme • Chai • Mocha • Travis • pandas • dash

**Technologies** AEM • Docker • Xcode • Android Studio • MySQL • MongoDB • Invision • SwaggerAPI • Tableau • Git • Linux

## EXPERIENCE

### Publicis Sapient

July 2019 - Current

Associate Software Engineer

Toronto, Ontario

- Developed a revised project through **Storybook** and **InVision Design Systems** for developers, QAs, designers, product managers and clients to have a common understanding of the UI components in an organized and centralized location
- Contributed in the **Systems Design** process of refactoring the global SCSS/mixin base architecture to class based styling
- Committed in packaging and supporting the deployment of releases with the **collaboration** of experience designers, architects, and client representatives through development of user stories and requirements
- Ensured code quality and accessible user experience through extensive work on **WCAG**, governing proper HTML semantics and the support for a single shared standard for web content accessibility that meets the needs of individuals

### Upstream Works Software Ltd

May 2017 - August 2018

Software Developer

Vaughan, Ontario

- Participated in sprint cycles with **Scrum** and **Kanban** agile environments continuously through the development process
- Created SQL scripts for database clean up, queries, and stored procedures for various data searches and modifications
- Documented **authentication flow**, API user account types, configuration, and the gateway deployment model
- Managed the documentation, design and testing of the development **API** lifecycle through the extension of **SwaggerAPI**
- Occasional testing of new features and regression testing of application features specifically around SignalR connection hubs with the clients to ensure **project delivery**, deployment and integration
- Extensive contribution in peer-reviews of **solution designs**, and the modification and maintenance of related code

## PROJECTS

### Mobile Application - *react-native, Xcode, Android Studio, AudD.io API*

September 2020 - October 2020

- Developed **cross-platform** mobile app with AudD audio recognition API to detect and pull song metadata and lyrics
- Song lyrics are converted into respective *Hàny ŭ P'inyĭn* with the language-to-pinyin package
- Designed and prototyped with **Invision** and consulted with fellow designers for interaction assessment and practicality

### Data Analysis and Visualization - *pandas, plotly, express, dash, Tableau*

September 2020

- Generated infographics and interactive **visualizations** on Internet Pricing to capture trends and anomalies in large datasets

### MEAN Stack Application - *MongoDb, Express, Angular, Node, Enzyme, Chai, Mocha, Travis*

January 2019 - April 2019

- Designed an Office Hours Booking system built around two endpoints: client to handle UI and Bootstrap rendering, server to handle RESTful APIs, adopted the **TDD** process, high-level implementation with **Continuous Integration**

## EDUCATION

University of Toronto, St. George - *BSc in Computer Science (Specialist)*

September 2014 - April 2019

## INTERESTS

**Personal:** Basketball, Piano, Hot Yoga, Bouldering, Brazilian Jiu-Jitsu, Strategic Board/Card Games, Cleaning