

# Danny Lan

## 3A Computer Science and Business Administration Student

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### SUMMARY OF QUALIFICATIONS

- *Languages*: Swift, JavaScript, Objective-C, Python, Kotlin, C++, Bash
- *APIs and Frameworks*: Firebase, Node.js, React, MobX, Screwdriver.cd
- Participated in open-source projects, have contributed to **Node.js**
- Interested in custom-built and impactful software solutions that provide a great user experience

### WORK EXPERIENCE

#### YAHOO/VERIZON MEDIA – SOFTWARE ENGINEER Sunnyvale, CA Jan – Apr 2019

- Developed features for Analytics and Push Notification **Objective-C** SDKs for internal app development
- Worked on **Mobile Platforms** team to support Yahoo Mail, Finance, Sports, Tumblr, and HuffPo apps
- Contributed to a Screwdriver.cd **CICD** pipeline while also delivering comprehensive **Unit Tests**
- Created **Bash** scripts to monitor file size and memory optimization for iOS applications

#### MARLENA BOOKS – iOS DEVELOPER Kitchener, ON May – Aug 2018

- Worked with iOS team to create e-reader app with accessibility for individuals with dementia
- Built intuitive UI to complement the functions of the app using object-oriented principles in **Swift**
- Integrated **Firebase** Authentication, Database, Storage to manage users, data, and files
- Implemented serverless **Node.js** **microservices** for backend including emailing lists and validation

### PROJECTS

#### INCITE – EFFORTLESS CITATION GENERATOR Sept 2018 – July 2019

- Built a **Chrome Extension** to cite websites in MLA, APA, Chicago, and Harvard format on the fly
- Used **React** to build an effective and intuitive interface with **MobX** to manage state
- Utilized a **web scraper** model to seek citation information and provide it to users in a friendly way

#### BETTERPD/EMPLOYABILITY – SUPERIOR JOB SEARCH Feb – Jun 2018

- Prototyped a website using **HTML5**, **CSS**, **JS**, and **Python** to help Waterloo students find better coops
- Envisioned **MySQL** to manage user login system and store relevant data including interview questions
- Networked with employers, alumni, and current students to collect accurate, relevant information

#### NIGHTBALL – MOBILE GAME FOR iOS AND ANDROID Feb 2017 – Aug 2018

- Coordinated with a partner to develop an arcade style game for **iOS**, with 100+ downloads
- Developed in **Swift** with the SpriteKit and SwiftyStoreKit frameworks in addition to visual/audio assets
- Contributed over 1000 lines of documented code with **Git** version control
- Ported application to **Android** using Gamemaker Studio engine

### EDUCATION

#### UNIVERSITY OF WATERLOO AND WILFRID LAURIER UNIVERSITY 2017 – Present

Candidate for Bachelor of Computer Science (BCS) (Waterloo) and Business Administration (BBA) (Laurier)

- Relevant coursework: Functional Programs, Data Structures, Object Oriented Programming, Algorithms

### AWARDS

- University of Waterloo President's Scholarship of Distinction – awarded for above 95% entrance average
- 2018 BDO New Venture Competition Semi Finalist – Lazaridis School of Business & Economics