Danny Lan

Computer Science and Business Administration Student

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SUMMARY OF QUALIFICATIONS

- *Languages* : Swift, Java, Python, C, JavaScript, Git, HTML5, CSS3, Bash
- *APIs and Frameworks* : Firebase, Node, React, Flask
- Experience with iOS app and game development, graphic design, and MySQL
- Interested in open-source projects, have contributed pull requests to NodeJS

WORK EXPERIENCE

MARLENA BOOKS – iOS DEVELOPER   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 services for backend needs including emailing lists and validation

CANADA'S WONDERLAND - WATERPARK ATTENDANT   Aug 2017

- Delivered quality customer service by ensuring guests' needs were met to have an enjoyable time
- Worked in a team to fill positions under direct and indirect supervisors, passing employee inspections

PROJECTS

ALTOCUMULUS – FACIAL RECOGNITION ON THE CLOUD   May 2018

- Used Indico machine learning API to demo our facial recognition identifying people in a crowd
- Integrated the machine learning API into our project using a Python based backend
- Built a website to host our software solution from multiple servers using AWS

BETTERPD – SUPERIOR JOB SEARCH PREPARATION   Feb 2018 – Present

- Created a website using HTML, CSS, JS, and Python to help Waterloo students find better coops
- Used MySQL to manage user 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 backed up with Git version control
- Ported application to Android using Gamemaker Studio engine

EDUCATION

UNIVERSITY OF WATERLOO AND WILFRID LAURIER UNIVERSITY   2017 – Present

Computer Science (BCS) (Waterloo) and Business Administration (BBA) (Laurier)

- Relevant coursework: Functional Programs, Data Structures & Algorithms, Object Oriented Programming
- Designed a text-based hangman and sudoku game in C, as well as a minheap using a dynamic array

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
- Top 10% in Avogadro Chemistry Exam 2017, Top 3% in Canada for Michael Smith Science Challenge 2015
- Chief Scout's Award – distinction of leadership, citizenship, & personal development for Scouts