

# JACK PAN

COMPUTER SCIENCE STUDENT

✉ xj2pan@uwaterloo.ca  
☎ (647) 685 1256  
🌐 github.com/xcjackpan  
🌐 xcjackpan.me

## WORK EXPERIENCE

### Software Developer, D2L

May – Aug 2019

- Improved NLP algorithm to generate questions from text, increasing rate of acceptable questions by **~60%**
- Developed major frontend features for a flashcard web-app in **React** and **Redux** using **Typescript**
- Built crucial backend functionalities for a **Mongo** database with **Mongoose** using **Express** and **Node.js**
- Integrated **Docker** to the project workflow, containerizing the dev environment

### Software Developer, D.A. Consulting

May – Aug 2018

- Developed full-stack web application to manage **3000+ permission entries** for Perforce version control using **React, Node.js, and Java**
- Designed and built plugins in **Java** for Atlassian Jira and Confluence as per client request

## AWARDS

### Hack the 6ix Finalist, 2018

Top 10 of 65 teams

### Term Dean's Honour List, Fall 2018, Winter 2019

>87% term average

### UW President's Scholarship of Distinction, 2017

Admission average >95%

## EDUCATION

Candidate for Bachelor of Computer Science

University of Waterloo

Anticipated graduation in 2022

## SKILLS

### Languages:

Javascript, Typescript, C++, C, Java, Python, Ruby

### Frameworks:

React, Redux, Express, Mongoose, Rails

### Technologies:

Node.js, MongoDB, Docker, React Native, Git

## PERSONAL PROJECTS

### UWClassWatch

React, Node.js, Express, Firebase, AWS EB

- Web app for UW students with **1100+ users** and highly positive feedback
- Sends emails to users when a class they are "watching" has a spot open for enrolment

### claire | Finalist at Hack the 6ix

React, Node.js, Express, Firebase

- Chatbot for senior citizens to combat loneliness
- Analyzes conversation using Google's NLP API and displays metrics on mental wellbeing

### Always Sunny Soundboard

React Native

- **5000+** installs and **4.0 stars** on the Google Play Store
- Cross-platform soundboard mobile app

### Puppr

React

- Web photo gallery using an image recognition API to remove pictures without dogs in them