

# Derrek Chow

Programmer and designer

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## EXPERIENCE

### StackAdapt • Software Engineering Intern

Sept. — Dec. 2019

Developed and shipped a billing system and payment UI used by 1,800+ clients with React and Rails

Improved a Rails auditing process resulting in 10x speedup and increased reporting accuracy

### Desire2Learn (D2L) • Software Developer Intern

Jan. — Apr. 2019

Created a real-time Node.js annotation tool for teachers to easily gauge students' concerns

Developed an app to facilitate employee feedback with Flask and Neo4j Graph Database

### Tulip Retail • Full Stack Developer Intern

May — Aug. 2018

Architected and implemented a client permissions controller for GDPR with JavaScript and PHP

## PROJECTS

### UW Flow ↗

*A course and professor review platform with 10 million total page views and 30k+ monthly users*

Responsible for entire design process from research, high fidelity mockups, to branding

### Paper: Mental Models of AI Agents ↗

*A study into differences in peoples' mental vs. conceptual models of AI Agents as part of a graduate level HCI course*

### Memex

*A curation platform and exploratory tool inspired by Vannever Bush's seminal 1945 essay*

Created with Clojure, Neo4j Graph Database and Backbone.js, implemented backlinks

### Creative Coding ↗

*Explorations in art and technology with Pts.js and Processing*

## SKILLS & TOOLS

Python, Clojure, JavaScript, Ruby, Java, C++, PHP

React, Rails, SQL, Cypher, Backbone.js, Node, Flask, jQuery

Figma, UI/UX design, branding, leadership

## EDUCATION

### Bachelor of Software Engineering

### University of Waterloo

2017 — 2022

*Selected courses:*

User Interfaces

Human-Computer Interaction

Experimental Methods in HCI  
(graduate course)

## INTERESTS

Boxing, Muay Thai, cooking, music, design, creative coding

Tools for thought and the future of Human-Computer Interaction