

SKILLS

Languages — Python, JavaScript, Java, Ruby, C++, Clojure, PHP, SQL, Cypher, HTML/CSS

Frameworks/Libraries — React, Redux, Rails, Node, Backbone.js, Flask, jQuery, Neo4j

Design — UI/UX design, ideation, graphic & brand design, rapid software & hardware prototyping

EXPERIENCE

University of Waterloo — HCI Research Assistant Sept. 2020 — present

- Prototyping alternative forms of virtual assistants and interactions based on high controllability

StackAdapt — Software Engineering Intern Sept. — Dec. 2019

- Created and shipped a new billing system and payment UI for 1,800+ invoice and credit clients
- Designed, developed, and shipped an internal reminder feature with React, Redux, and Rails to increase StackAdapt account managers' productivity in tracking 5,100+ ad campaigns

D2L Labs — Software Developer Intern Jan. — Apr. 2019

- Ideated and developed several prototypes to explore the future of learning and education
- Created a real-time Node.js annotation tool for professors to easily gauge students' concerns
- Developed an Ionic app to facilitate employee feedback using Flask and Neo4j graph database

Tulip Retail — Full Stack Developer Intern May — Aug. 2018

- Architected and implemented a feature for customers to control their communication permissions with JavaScript and Framework7 in accordance with GDPR
- Established a cross-team CI pipeline for JavaScript modules which removed 7,000+ lint errors

PROJECTS

UW Flow (uwflow.com) ↗

Designed a course review platform with 10 million total page views and 30k+ monthly users

Mental Models of AI Agents (paper) ↗

Conducted a study and built an AI agent to compare mental vs. conceptual models in a grad course

Hyperblocks

Created a curation platform with Clojure and Neo4j, inspired by Vannever Bush's 1945 essay

Creative Coding ↗

Created visual and audio explorations in art and technology with Pts.js and Processing

EDUCATION

University of Waterloo — Bachelor of Software Engineering 2017 — 2022

Selected courses: User Interfaces, Human-Computer Interaction, Experimental Methods in HCI (**graduate**)

Interests — Muay Thai, boxing, cooking, music, film, design, tools for thought & the future of HCI