


Derrek Chow

github.com/derrekchow 

derrekchow.com 

linkedin.com/in/derrekchow 

me@derrekchow.com 

SKILLS

Languages JavaScript, Python, PHP, C, C++, SQL, CSS/SCSS, HTML

Technologies Node.js, React, Express, jQuery, MySQL, MongoDB, AWS, Git

EXPERIENCE

Full Stack Developer Tulip Retail May 2018 — Aug. 2018

- Implemented a WebView module from design to production with JavaScript and Framework7 for customers to control their communication permissions in accordance with GDPR
- Developed and integrated a robust set of API endpoints with PHP and MySQL across a multi-layer platform architecture to manage customer data
- Established a cross-team CI pipeline and linter for all JavaScript modules to increase code stability

Software Developer Viceroy Media Inc. Aug. 2016 — Jun. 2017

- Developed a course catalog, ratings, and search for a web app network for the University of Guelph
- Created a payment and checkout system for a web hosting service by integrating the Stripe API

PROJECTS

tedxuw.com TEDxUW May 2018 — Present

Full website and coming soon page made from scratch with React, SCSS, HTML, and JavaScript

- Overhauled and rebranded TEDxUW's website, attracting 700 attendees and over 950 email signups

Hungr.ai Hack Western IV (Organizer's Choice Award) Nov. 2017

AI version of the popular game Hungry Hungry Hippos, controlled with a RPi, camera, and servo motors

- Implemented Python multithreading for concurrent servo movement and sent OpenCV image data with WebSockets to a Flask server in order to capture and predict moving balls' positions

Point 2 Speech MasseyHacks III (3rd Place Finalist + Best Hardware + Best 3D Printed) Apr. 2017

Device to assist the visually impaired which speaks out loud text on a page when pointed to in real time

- Used Tesseract.js for OCR and applied LeapMotion technology to capture finger position

ACTIVITIES

Head of Ceremonies and Activities Hack the North Mar. 2018 — Present

- Led a team to organize ceremonies for Canada's biggest hackathon with over 1000 attendees
- Coordinated and facilitated 16 event activities, collaborated with web, marketing, and design teams

Founder and Director Ridge Hacks Sep. 2016 — Dec. 2016

- Spearheaded the first (now annual) student-run hackathon in the Halton District school region
- Led a team of 15 organizers to craft a memorable experience for over 60 first time hackers

EDUCATION

Bachelor of Software Engineering University of Waterloo Sep. 2017 — Apr. 2022