

David Tang

ece.uwaterloo.ca/~d38tang — d38tang@uwaterloo.ca — github.com/d38tang — +1-519-588-8568

TECHNICAL SKILLS

Languages

- Python, Ruby, JavaScript, C++, Swift, C

Technologies

- Bash, Git, MySQL, Unix, Docker, MongoDB

EXPERIENCE

StackAdapt

Toronto, ON

*Software Engineering Intern (**Backend**)*

Sept 2018 - Dec 2018

- Spearheaded the development and designed the database schema for a complete overhaul of a client-facing feature.
- Enabled the revenue team to more effectively attract clients, and management to create more accurate reports to investors by upgrading the internal brand categorization system.
- Improved and expedited the onboarding experience for future developers by developing a new set of bash scripts and updating the onboarding documentation.
- Performed numerous feature additions and bug fixes in an Agile environment.
- Received the highest performance rating of **Outstanding**.
- Used **Ruby on Rails**, **MySQL**, **Bash**, **React**, and **Docker**.

TribalScale

Toronto, ON

Agile Software Engineering Intern

Jan 2018 - Apr 2018

- Consistently developed new features and fixed bugs for the **iOS** and **Android** apps of a large media corporation with over 60 000 daily users.
- Developed new features for the second version of a flight management **iOS** app.
- Refactored and maintained an **Amazon Alexa** flower delivery app.
- Used **Swift**, **Kotlin**, **NodeJS** .

Conrad BETS

Toronto, ON

BETS Entrepreneur in Training

May 2017 - Aug 2017

- Contributed to the growth of various startups by providing software development assistance.
- Assisted in developing the prototype clothing and wardrobe selection online store for a startup.
- Significantly reduced the time taken by executives to read government files by automating file parsing.
- Used **NodeJS**, **React**, and **Python**.

PROJECTS

Voice Controlled Dashboard

- Created an Alexa voice-controlled dashboard using **NodeJS** and **AWS Lambda** for TribalScale's hackathon to show company-wide news, events, and memes.
- Connected offices around the world by synchronizing the dashboard across all office TVs using web sockets.

Gesture-controlled Camera

- Processed hand gesture data from Leapmotion SDK and sent data to a raspberry pi.
- Developed a Raspberry Pi **Python** server to move the camera using a servo motor and take pictures/videos.
- Displayed pictures on a web page in real time.

EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Computer Science, 3B

2019 – 2021

University of Waterloo

Waterloo, ON

Bachelor of Computer Engineering

2016 – 2019

- Top 10% of Computer Engineering sophomores.