

Edwin Zhang

🏠 edwinzhang.me
🐙 github.com/edwinzhng
🌐 linkedin.com/in/edwin-zhang
✉ eazhang@uwaterloo.ca

Technologies

C / C++
Python
JavaScript / React / Node
Go
Ruby / Rails
HTML / CSS
AWS
TensorFlow / Keras
SQL
MongoDB

Interests

Underwater Hockey
Music
Deep Learning
Computer Graphics
Cryptocurrency

Experience

[Localintel](#)
Software Engineering Intern

Calgary, AB
May 2018 – Present

- Coming soon . . .

[Waterloop](#)
Back End Software Co-Lead

Waterloo, ON
Sept 2017 – Present

- Built communication server with **Go** to relay data and manage TCP and UDP connection pools
- Reduced latency **by 80%** from previous server using multiplexed **QUIC network protocol**

Projects

[Desktop Buddy](#)
devpost.com/software/desktopbuddy

UofTHacks V
Jan 2018

- **Android background service** to remotely control desktop input using voice via **Google Assistant** and the built-in rotation sensor
- Developed backend infrastructure between interfaces and parsed sensor data for mouse input using **Java** and **Python**

[Automatic Cannon](#)
github.com/edwinzhng/automatic-cannon

Nov 2017

- **Self-aiming cannon** that launches projectiles towards targets
- Engineered automatic servo movement, manual controls, and calculated projectile trajectories using **Python** and **Go**

[Aya](#)
devpost.com/software/aya

Finalist and AWS Award - Hack the North
Sept 2017

- **Robotic head** with jaw movement powered by a Raspberry Pi
- Built **Python** backend and label selection algorithm
- Integrated **Amazon Web Services** for face detection, image recognition and text-to-speech output

[Messenger LaTeX](#)
devpost.com/software/messenger-latex

First Place - MHacks Nano
Jun 2017

- **Chrome extension** built with **JavaScript** and **MathJax** to render LaTeX in Facebook Messenger with **over 300 users**
- Developed live preview, clicking to copy equations, and PNG rendering from scratch

Education

[University of Waterloo](#)
Bachelor of Software Engineering

Waterloo, ON
2017 – 2022

- Dean's Honor List recipient