Wayne Zhu

☐ (437)-345-5581 | ✉ wayne.zhu6@gmail.com | ⌂ waynezhu.ca | ⌨ waynezhu6 | in wayne-zhu

Work Experience

Full Stack Developer *Toronto, ON*
PREFIX *April 2020 - Current*
- Lead developer for a client platform-agnostic Ionic React app that tracks patient symptoms. Contributions including implementing UI designs and animations, managing global app state and local storage, connecting to backend via RESTful API calls.
- Contributed to backend API written in Golang, creating modules for password management, survey handling, and email validation.
- Configured and maintained backend hosting through Google Compute Engine, wrote a CI/CD pipeline through GitLab, configured hosting company website using Nginx.

Software Engineer Intern *Mississauga, ON*
POINTCLICKCARE *June 2019 - August 2019*
- Developed a cross-platform proof of concept analytics dashboard app for iOS and Android using React Native, designed to summarize and visualize financial data for hospitals and long-term care facilities.
- Active particularly developing for iOS, front-end UI development, carrying data through RESTful API calls, building and deploying through Microsoft App Center, and testing using Jest.
- Followed an Agile workflow, gaining familiarity working with Git, Jira, Bitbucket, and Confluence.

Extracurricular Activity

Web Developer *Toronto, ON*
NEUROTECH UOFT *January 2020 - April 2020*
- Wrote a React-based documentation website for the Neurostack API, a cloud brain wave streaming framework.

Co-President *Mississauga, ON*
PROGRAMMING CLUB - LORNE PARK SECONDARY SCHOOL *September 2018 - June 2019*
- Overlooked daily operations of club, including budget planning, fundraising, advertising, and organizing competitions.
- Participated in several hackathons, ended up winning a national award.

Member on 1st Place Team *Mississauga, ON*
PICOCTF / CANHACK 2018 *September 2018*
- Cybersecurity-oriented hacakathon organized by Carnegie Mellon University, the largest of its kind.
- Gained exposure to a diverse selection of cybersecurity subfields including Web Exploitation, Cryptography, and Computer Forensics.
- Placed 1st in Canada, 28th in the world out of over 16 000 teams.

Projects

QVC
REMOTE VIDEO SYNCHRONIZER
- App that synchronizes video playback between remote clients.
- Writen with a React frontend, Node.js backend
- Hosted on GCP; client communication handled by Socket.IO

Talk to the Hand
REAL TIME SIGN LANGUAGE TRANSLATOR
- Video call app using ML to show live captions for sign language
- Frontend made with React, TensorFlow.js
- Peer-to-Peer client communication through WebRTC

Education

University of Toronto *Toronto, ON*
B.S. IN COMPUTER SCIENCE - CANDIDATE *September 2019 - Current*
Relevant Courses: CSC207 Software Design - CSC236 Introduction to the Theory of Computation - CSC209 Software Tools and System Programming - CSC258 Computer Organization - CSC263 Data Structures and Analysis

Skills

Frontend React/React Native/Ionic React, Javascript/Typescript, HTML/CSS/SCSS, Python, C#, Java, .NET Framework, Unity
Backend Node.js, Python, Golang, Google Cloud Platform, Heroku, MongoDB, TensorFlow.js, Git, Agile