

NICHOLAS CHONG

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Nicholas-Chong-

PROJECTS EXPERIENCE

Creator and Developer

COVID-19 Dashboard | ontariocovid-19.com

June 2020 – Present

- Developed and maintained the interactive dashboard application accessed by **8000 unique users (120 Daily Active Users, 78% return rate)**
- Designed **Python** REST back-end and **React** front-end as standalone **micro services**, eliminating downtime for data updates
- Drastically improved mobile UI/UX by implementing Google Charts and **client-side JavaScript** solution for complex visualizations
- Created Python scripts to automate data updates from **3 REST APIs** and stored data in a **Heroku PostgreSQL** database

Creator and Developer

COVID-19 Twitter Bot | @OntarioCovid19

June 2020 – Present

- Automated the creation and execution** of daily update Tweets using Python scripts and Heroku scheduler commands
- Gained **4000 followers** and over **150,000 impressions** every month
- Makes COVID-19 metrics easily accessible on a user's Twitter timeline

WORK EXPERIENCE

Developer (Director)

Western Founders Network

September 2020 – Present

London, ON

- Worked with a remote team** of 5 to redevelop the WFN website (in progress)
- Developed **10+ responsive React components** executing the UI outlined by the design team (navigation header, buttons, animated popups)
- Used **Gatsby** and **GraphQL** to query and lazy-load images
- Used industry standard tools (**Slack**, **GitHub**) to organize development
- WFN is the biggest tech/business club at Western

Deck Supervisor & Swim Instructor

Making Waves Swim School

October 2018 – Present

Mississauga, ON

- Supervised teams of 5-10** instructors, ensuring compliance with company safety standards, and values
- Implemented and executed a plan to efficiently **conduct evaluations of 100+ swimmers** each season
- Achieved approximately **80% pass rate** across all age groups
- Adapted quickly** to effectively accommodate swimmers with special needs (Ex. children with autism)

EDUCATION

BSc, Computer Science

Western University

2020 – 2024

London, ON

- Data Structures and Algorithms
- Fundamentals of Computer Science 1 & 2
- Information Systems and Database Design
- Calculus 1, Linear Algebra 1
- Incoming VP Projects at Western Founders Network
- 85% Cumulative Average

OSSD

John Fraser Secondary School

2016 – 2020

- Designed digital assets and page layouts** for the **2020 yearbook** according to design specifications and timelines
- Photographed over 15 school wide events** with photos featured on school social media accounts and the yearbook
- Executive member at Peel Investment Club

SKILLS

Python JavaScript React Django
HTML CSS SQL Git/GitHub
Flask Gatsby Microsoft Office
Windows MacOS

ACHIEVEMENTS & CERTIFICATIONS



Team Canada

2016 World Taekwondo Championship,
2018 Taekwondo Commonwealth Games



4th Degree Taekwondo Black Belt

10+ years of Taekwondo practice



Honour Role Student

85%+ all 4 years of high school



National Lifeguard

2019



Lifesaving & Swim Instructors

2019