

# CHO YIN YONG

Toronto, Ontario

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Languages: **Python** 2 years, **Ruby** 1 year, **Java** 3 years, **SQL** 3 years, **HTML/CSS** 5 years, **JavaScript** 3 years, **C** 1 year  
Frameworks: **Bootstrap** 4 years, **Flask** 2 years, **Django** 2 years, **Ruby on Rails** 1 year, **Angular**  
Technologies: **Centos/Ubuntu** 3 years, **jQuery** 3 years, **Android SDK** 1 year, **Docker**, **Apache cTakes**

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## Full Stack Software Developer

Sep 2017 - Present

Verto Inc.

- Built core features such as global patient search, a clinician chat tool with web sockets, and a schedule management system for a patient flow and engagement tracking tool written in **Ruby on Rails**, which were deployed to major hospitals in Ontario.
- Developed a centralized health data repository accessible through a RESTful API which can retrieve lab reports from the Ontario Laboratory Information System and convert them from HL7v2 to HL7 FHIR with **Python Flask**.
- Automated the workflow of predicting a patient's Flagged Interventions in real-time based on encounter clinical notes through natural language processing with **Apache cTakes** and machine learning with **scikit learn**.
- Enhanced the company's deployment strategy by introducing **Docker** deployment scripts with **Docker Compose** for the company's multi-application software stack and onboarded other developers to use Docker for development.
- Commended for consistently delivering clean and well-structured code at double the speed of other developers on the team.

## Student Intern

Jun 2016 – Aug 2016

Paradigm Corporation Limited

- Utilized **Razor C#**, **jQuery** and **MSSQL** to create a program to allow users to selectively synchronize freight shipment data from corporate offices to its container freight stations for over a million database records.
  - Automated the workflow of generating serial numbers for shipments using a configurable client defined format.
  - Created the ability for users to perform real-time note taking in the application's web interface and allow for future reference.
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## University of Toronto

2016 – 2020 (Expected)

Candidate, Hons. Bachelor of Science, 3<sup>rd</sup> year

Computer Science Specialist (Co-op) – Software Engineering Stream

Recent Annual GPA: 3.75/4.00

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## Projects

**Cryptocize** Bitcoin based Motivational Android App

- Hack the North 2017 Hackathon Project – TD Sponsor Prize (<https://devpost.com/software/cryptocize>)
- Built with: Java, Android SDK, Coinbase API

**Devinet** Browser-based puzzle game

- Electric City Hacks 2017 Hackathon Project (<https://github.com/choyiny/devinet>)
- Built with: HTML/CSS, Bootstrap, jQuery, Python Django

**Test Your Tech** Visual UI Testing Suite

- McHacks 2018 Hackathon Project (<https://github.com/liujordan/testyourtech>)
- Built with: Python Django, Selenium, jQuery, HTML/CSS

**FPGA no Tatsujin** Rhythm game from hardware principles

- Computer Organization CSCB58 Project ([https://github.com/choyiny/FPGA\\_NoTatsujin](https://github.com/choyiny/FPGA_NoTatsujin))
- Built with: Verilog, FPGA Board

**Novelty** A UTSC Student Association Website

- Novelty Cantonese Students' Association (<https://noveltycsa.com>)
  - Built with: Angular 6, HTML, SCSS
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