

# Victor Sun

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## EXPERIENCE

### Solutions Developer

FairVentures Inc, May – August 2019

- Streamlined data collection by implementing single page application with **Vue.js**, saving >50% of work/time required to write multinational policies
- Developed **GraphQL** API, written with **TypeScript** and **Node.js**; stored and queried data in **PostgreSQL** database
- Automated testing and deployment to **Kubernetes** cluster by containerizing apps with **Docker** and using **GitLab's Auto DevOps CI/CD**
- Owned the development of a holistic **GraphQL** API (with **gRPC** microservices) representing the company
- Solved problems efficiently throughout **Agile** development processes using design thinking; collaborated with other developers and UI/UX designers in sprints, from planning stages to retrospectives

## PROJECTS

### Google Sheets Add-on for YouTube Playlists

[github.com/Elijas/auto-youtube-subscription-playlist-2](https://github.com/Elijas/auto-youtube-subscription-playlist-2)

- Collaborated on open-source project on **GitHub**
- Maintained **Google Apps Script** that automatically adds videos to YouTube playlist, improving functionality by working with developers and users
- Resolved 10+ issues and contributed to/reviewed 10+ pull requests

### RAIInet Two-Player Game

[github.com/victorjzsun/rainet-game](https://github.com/victorjzsun/rainet-game)

- Designed and developed **C++** game with battling and hidden information; Implemented **MVC** and **Observer** design patterns
- Automated testing using **GitLab CI** pipelines

### TOHacks Heart Disease Predictor

[github.com/TheZombieCloud/Heart-Disease-Detector-TOHacks2019-AI-](https://github.com/TheZombieCloud/Heart-Disease-Detector-TOHacks2019-AI-)

- Created neural network using **Python** to analyze chance of heart disease based on cardiovascular data; Model achieved >85% accuracy during testing

## SKILLS

- TypeScript/JavaScript, Python, SQL, Git, C/C++, Java, Bash, UNIX
- Node.js, REST/GraphQL, Vue.js/React, gRPC
- Google Cloud Platform, Docker
- Qualified National Lifeguard

## EDUCATION

### Candidate for Bachelor's of Computer Science

University of Waterloo, Expected April 2023

Cumulative Average: 90%, GPA: 3.9/4.0

## EXTRACURRICULARS

### Data Science Club Member

University of Waterloo, Fall 2018 - Current

- Analyzed datasets with modern algorithms
- Learned about **Python** libraries in **Jupyter** notebooks (e.g. **PyTorch**, **NumPy**, **pandas**)

### Local Hack Day Organizer

Iroquois Ridge High School, Dec. 2, 2017

- Hosted a successful hackathon for 100 students
- Procured sponsorships, managed volunteers, and ran several workshops
- Returned following year to lead workshops on Github and Python

## HOBBIES

