

# Jia Rong Wu

## Solutions Architect



Canada



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## About Me

I am a software engineer and academic. I have been writing software for over a decade starting with Java, analyzing data with R/Python, and most recently GoLang. Throughout my career, I've built startups from the ground-up, taught at academic institutions, and closed strategic deals for enterprises.

## Skills

### Enterprise Sales



### Problem Solving



### Communication



### Teaching



### Collaboration



## Programming Languages

1. Python
2. R
3. GoLang
4. Java

## Frameworks

1. Tensorflow
2. PyTorch
3. \*nix systems

## Tools

1. Git
2. Kubernetes
3. Hubspot

## Interests

APIs, Applications of Artificial Intelligence, and Academia.

## Experience

From 09/2021

### Tyk Technologies

Solutions Architect

- Solutionize, support, and close strategic deals in complex sales cycles
- Generate \$2M+ ARR by closing deals through technical consultations and demonstrations
- Develop innovative software & demo solutions to support sales efforts
- Collaborate with cross functional teams to prioritize revenue-generating features

02/2019-09/2021 AUSPRE

Co-Founder

- Spearheaded the development and deployment of efficient ETL data pipelines
- Trained end-to-end Transformer models for speaker diarization and speech-to-text workflows using Tensorflow
- Secured funding through delivering pitches and writing grants, enabling business growth

01/2017-02/2019 Eighty8 Ventures

Full Stack Developer

- Engineered robust microservices using Python, PHP and MySQL, powered by ReactJS
- Implemented algorithms to solve complex technical issues and optimized code for performance improvements
- Collaborated with stakeholders in an Agile development environment, meeting and exceeding project deadlines

05/2015-06/2016 Gloor Lab Western University

Software Developer

- Optimized data analysis pipelines, achieving performance enhancements of over 200%
- Co-authored multiple peer-reviewed publications regarding compositional data analysis
- Presented at global research conferences such as International Society for Computational Biology

## Education

2018-2022

Ph.D. Candidate in Computer Science (ABD)

Waterloo University

*Applications of AI in Proteomics*

2016-2018

M.Sc. Mathematics

Waterloo University

Computer Science

2012-2016

B.Sc. Honours Computational Biochemistry

Western University

Computer Science

## Certifications

2023

Certified Kubernetes Application Developer

## Publications

2021

Finding the centre: corrections for asymmetry in high-throughput sequencing datasets

2016

It's all relative: Analyzing microbiome data as compositions

2016

Expanding the UniFrac Toolbox

2016

Tu1712 Comparison of Intestinal Microbiome Between Non-Alcoholic Fatty Liver Disease and Healthy Controls Using Two Analytical Approaches