Jia Rong Wu

Solutions Architect



Canada



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https://jiarongwu.com



https://github.com/JRWu



https://www.linkedin.com/in/jia-rong-wu/

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



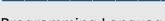
Problem Solving

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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 i	n Computei	r Science (ABD)	waterioo University
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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-through	hput se-
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quencing 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