Jia Rong Wu



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github.com/JRWu



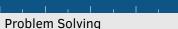
linkedin.com/in/jia-rong-wu/

About Me -

I am a software engineer and academic. I have been writing software for over a decade starting with Java/C, analyzing data with R/Python, and building models using Tensorflow. Throughout my career, I've built startups from the ground-up, taught at academic institutions, and driven revenue positive operations for enterprises.

Skills -

Enterprise Sales



Collaboration

Teaching

Object Oriented Programming

Functional Programming

Programming Languages

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

Frameworks

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

Tools

- 1. Git
- 2. Docker
- 3. Kubernetes
- 4. Hubspot



Tyk Technologies

Solutions Architect [09/2021 - Present]

- 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

AUSPRE

Machine Learning Engineer

[02/2019 - 09/2021]

- Spearheaded the development and deployment of efficient ETL data pipelines
- Trained, tested and deployed 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

Eighty8 Ventures

Full Stack Developer

[01/2017 - 02/2019]

- Engineered robust microservices using Python, PHP and MySQL, powered by ReactJS
- Implemented algorithms to solve complex technical issues and optimized code, resulting in performance improvements of over 200%
- Collaborated with stakeholders in an Agile development environment, consistently meeting and beating project deadlines

Western University

Software Developer

[05/2015 - 06/2016]

- Refactored data analysis pipelines in C, optimizing time complexity from O(n²) to O(nlogn)
- Authored multiple peer-reviewed publications regarding compositional data analysis
- Presented at global research conferences such as International Society for Computational Biology

Education

Waterloo University

Ph.D. Candidate in Computer Science (ABD) [2018 - 2022]
Applications of AI in Proteomics

Applications of AI in Proteomi

Waterloo University

M.Sc. Mathematics [2016 - 2018]

Computer Science

Western University

B.Sc. Honours Computational Biochemistry [2012 - 2016]

Computer Science

Certifications

Linux Foundation

Certified Kubernetes Application Developer

[01/2023]

Publications

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

JR Wu, JM Macklaim, BL Genge, GB Gloor Advances in Compositional Data Analysis [2021]

Navanees in Compositional Bata Marysis

It's all relative: Analyzing microbiome data as compositions GB Gloor, JR Wu, V Pawlowsky-Glahn, JJ Egozcue

Annals of epidemiology 26 (5), 322-329, 2016

[2016]

Expanding the UniFrac Toolbox

RG Wong, JR Wu, GB Gloor

[2016]

PloS one 11 (9), e0161196, 2016

Tu1712 Comparison of Intestinal Microbiome Between NAFLD and Healthy Controls

A Teterina, H Da Silva, G Gloor, JR Wu, BM Arendt, EM Comelli, S Fischer, ... Gastroenterology 150 (4), S927, 2016

[2016]