

Zhihao Wang

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EDUCATION

Peking University

Bachelor of Economics GPA: 3.25/4.0

Beijing, China

Sep 2014 – July 2017

China University of Mining and Technology, Beijing

Bachelor of Science in Information and Computing Science GPA: 82.03/100

Beijing, China

Sep 2013 – June 2017

PROFESSIONAL EXPERIENCE

App Annie

Backend Software Engineer & Scrum Master

Beijing, China & San Francisco, US

Feb 2018 - Present

- **Connect Platform:** Responsible for the technical design, development and maintenance of Connect Platform, a unified platform where user can see the downloads, revenue, usage and advertising data of their apps.
- **Connection Workflow:** Migrating and refactoring connection workflow of 30+ platforms(Apple Store Connect, Google Play, etc) from monolithic app to microservices as technical designer and developer. Externally, user experience was significantly improved by the reduction of time cost and redundant steps and the increase of success rate. Internally, monitoring and troubleshooting tools have been built/enhanced.
- **Connect Universal Dashboard:** Building Python & Golang web services on top of apps sales, usage and advertising data stored in PostgreSQL & MongoDB to support AQL-based dashboards and CSVs.
- **Google Firebase Integration:** *Firebase* is Google's mobile platform that offers analytic functionalities to help customers quickly develop high-quality apps and grow business. This project enables users to integrate Firebase so that they can see their apps data from not only Firebase but also App Store, Google Play and ad platforms in one place - App Annie Connect. As project owner, my responsibility is to write technical design, implement data scraping based on headless Chrome & import workflow and support queries for Firebase data with different filters and breakdowns.
- **Scrum & Agile Project Management:** As *Scrum Master*, I facilitate the teams progress toward team goals and coordinate, sometimes remotely, with Product, Technical Operation and Support. I schedule sprint planning meetings, daily Scrum meetings and retrospectives. I manage projects and track teams progress with Jira & Gantt Chart, etc.
- **Best Engineering Excellence Award in App Annie Hackathon:** Build a live demo of App Annie Distributed Configuration Management System within days. It allows engineers to easily manage service configurations of various environments with user-friendly UI, which is helpful for project management, auditing, and debugging and increases efficiency and stability, and visibility into changes that occur in an application.

VPIKID

Backend Software Engineer

Beijing, China

July 2017 - Feb 2018

- **Dino English App & WeChat Platform:** Build backend services for Dino English App and its WeChat platform. Establish a task system based on Celery from scratch intended for series of asynchronous tasks - updating statistical data of students, sending messages, and also an affiliated real-time monitoring platform for the asynchronous tasks system from scratch.
- **VIPKID Song App & VIPKID School:** Build backend services for VIPKID Song App and VIPKID School. Responsible for the design and development of core business logic regarding resource management and course booking. Design micro-services architecture for backend service migration from a monolithic app.

VPIKID

Backend Software Engineer Intern

Beijing, China

Aug 2016 - July 2017

- **Data Access Layer Development for iOS/Android Apps:** Building DAL to support VIPKID's core business(parents booking courses, students downloading learning materials, etc) for iOS/Android applications based on Python, gRPC framework, Protocol Buffers. Cross-team collaboration with Mobile App Team & Teacher/Parent/Student Backend Team.
- **Internal Ticket System:** Building internal tools from scratch with Python, Flask, MySQL and Redis to emancipate R&Ds and OPs from repeated manual work, significantly facilitating the working efficiency.

PROJECTS

PKU Black Market

Founder & Developer

Beijing, China

Dec 2016 - Feb 2018

A third-party information exchange platform that helps undergraduate students of *National School of Development* trade their courses and more. The emergence of Black Market made a splash and the daily site visits to Black Market surged to 4,000 and peaked at 6,000 when the class dropping and re-selection period began, reported in *Peking University Student Opens Course Trading Black Market*.

CHARLS & Socio-economic Survey Data Analysis

Interviewer & Researcher

Beijing, Shandong & Tianjin, China

May 2015 - Dec 2015

- Collecting microdata through field study for *China Health and Retirement Longitudinal Study* to serve the needs of scientific research on the elderly during the summer of 2015.
- Data analysis with Stata. Published a paper Factors affecting people over the age of 45 participating in the new rural pension on Global Market Information Guide.

COURSE CERTIFICATE

Neural Networks and Deep Learning

deeplearning.ai

Structuring Machine Learning Projects

deeplearning.ai

Improving Deep Neural Networks

deeplearning.ai

Introduction to Recommender Systems

University of Minnesota

HTML, CSS and JavaScript

HKUST

Machine Learning

Stanford University

SKILLS

Programming Languages: Python, Java, Javascript, Golang, SQL

Data Storage: MySQL, PostgreSQL, MongoDB, Redis, Amazon S3

Frameworks: Flask, Django, Spingboot

DevOps: Docker, Sentry, Kibana, New Relic, Datadog

Project Management: Jira, Trello

English Proficiency: Full professional proficiency