

# Zhihao Wang

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## EDUCATION

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- **China University of Mining and Technology, Beijing** Beijing, China  
*Bachelor of Science in Information and Computing Science; GPA: 83/100* Sep 2013 – Jun 2017
- **Peking University** Beijing, China  
*Bachelor of Economics; GPA: 3.25/4.0* Sep 2014 – July 2017

## EXPERIENCE

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- **App Annie** Beijing, China  
*Web Backend Engineer* 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.
  - **Connect Workflow Refactoring:** Connect workflow refactoring and migration from monolithic app to microservices as technical designer and developer. User experience was significantly improved by the reduction of time cost and redundant steps and the increase of success rate.
  - **Tech stack** Python, Flask, Django, Redis, PostgreSQL, JavaScript, Kibana, etc.
  - **Skills** Familiar with agile methodology (Scrum). Fluent in English and Mandarin.
- **VIPKID** Beijing, China  
*Java Backend Engineer* Jul 2017 - Feb 2018
  - **Dino English App & WeChat Platform:** Web backend development for Dino English App and its WeChat platform with Python, Flask, MySQL, Redis, etc. I established a task system based on Celery from scratch intended for series of asynchronous tasks - updating statistical data of students, sending messages and also deployed an affiliated real-time monitoring platform for the asynchronous tasks system from scratch.
  - **VIPKID Song App & VIPSCH:** Web backend development for VIPKID Song App and VIPSCH with Java, SpringBoot, Eureka, MySQL, Redis, Elasticsearch, etc. Responsible for the design and development of core business logic: resource management service and course booking service and also involved myself in the design of micro-services architecture and backend service migration from a monolithic app.
- **VIPKID** Beijing, China  
*Python Backend Engineer Intern* Aug 2016 - Jul 2017
  - **Internal Ticket System:** Building internal tools from scratch with Python, Flask, MySQL and Redis to emancipate R&Ds and OPs from some repeated manual work with a result of the significant improvement of working efficiency. Team leader was strict with me and he cultivated my taste of coding style and RESTful API design that would benefit me for good.
  - **Service layer development:** Building middle layer service to support core business (parents booking courses, students downloading learning materials, etc) of iOS/Android applications based on Python, gRPC framework, Protocol Buffers. Cross-team collaboration with Mobile App Team & Teacher/Parent/Student Backend Team happened all the time.

## PROJECTS

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- **Black Market** Beijing, China  
*Founder & Developer* 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** Shandong, Tianjin, Beijing  
*Interviewer & Researcher* 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.