

Yuchong Pan

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EDUCATION

- **University of British Columbia** Vancouver, BC
Bachelor of Science, Computer Science and Mathematics September 2017 - May 2021 (Estimated)
 - **Overall Grade Average:** 95.6%
 - **Relevant Coursework:** Programming Languages, Algorithm Design and Analysis, Theory of Computing, Discrete Mathematics, Honours Linear Algebra, Introduction to Computer Systems, Software Engineering

EMPLOYMENT

- **Microsoft** Vancouver, BC
Software Engineering Intern May 2018 - August 2018
 - **AI for Earth:** Developed prototypes and solutions to demonstrate how Microsoft's AI research and technology can be applied to geospatial data and help organizations advance environmental sustainability efforts.
- **Sogou** Beijing, China
Software Engineering Intern May 2017 - July 2017
 - **Speech-Recognition & OCR Proofreading Tools:** Web apps for internal proofreading and testing of AI-Cloud speech recognition and OCR services; based on Bootstrap, Vue.js, Flask and Docker.
 - **Receipt Recognition Service:** Service for receipt format and content recognition; based on Flask, scikit-image and Sogou AI-Cloud OCR Service; used for reimbursement management of Sogou's financial department.
- **THE Hack** Shanghai, China
Co-Founder, Chief Technology Officer February 2017 - July 2018
 - **Corporate Relations:** Negotiated sponsorships and partnerships from big corporations, including Google, Apple, Sogou and Wolfram, venture capitals and incubators.
 - **Technological Support:** Directed and supervised full-stack software development; designed and implemented event websites using Docker, Django and Vue.js; see thehack.org.cn, hackinit.org and hackshanghai.com.
- **InitialView** Beijing, China
Software Engineering Intern September 2016 - May 2017
 - **Web Development:** Implemented server-end API; implemented front-end of booking system, portals and interview video player; refactored homepage; implemented blog system.
 - **App Development:** Implemented InitialView cross-platform app for iOS and Android platforms.

PROJECTS

- **Vox:** A tool that utilizes speech recognition and natural language processing to enable vertical search and visualization for audio and video documents; based on D3.js, Django and Microsoft Cognitive Services.
- **GitArt:** A Git-like idea-sharing and collaboration platform for artists and writers; based on Django and Bootstrap.
- **Viso:** An online coding interview platform with hardware anti-cheat system; based on Flask and Leap Motion.
- **Aquatopia:** A monitoring, alerting and visualization system for environmental data; based on Django and Arduino.
- **HackSearch:** A vertical, distributed search engine for specialized fields; based on Elasticsearch, D3.js and Golang.

AWARDS

- **Science Scholar / Dean's Honour List, University of British Columbia** May 2018
- **27th Place, North American Invitational Programming Contest Open Division** March 2018
- **11th Place, ACM International Collegiate Programming Contest Pacific NW Region** November 2017
- **1st Place, Microsoft College Code Competition** September 2017
- **1st Place, i-Lab Hackathon** June 2017
- **Silver Medal, China Team Selection Competition** May 2015
- **Bronze Medal, Asia Pacific Informatics Olympiad** May 2015
- **First Prize, National Olympiad in Informatics in Provinces** November 2013

PROGRAMMING SKILLS

- **Languages:** C++, Python, Java, C#, Scheme, Standard ML, Ruby, MATLAB, Go, JavaScript, MySQL, L^AT_EX
- **Technologies:** Django, Flask, Tornado, Microservices, Bootstrap, Vue.js, AngularJS, D3.js, Node.js, Marko.js, Ionic, Nginx, Redis, Docker, Amazon AWS, Microsoft Azure, .NET, Xamarin