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 Compute 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, LaTeX
- **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