ALEX TIANHENG ZHAO

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EDUCATION

University of Pennsylvania Philadelphia, PA
- *School of Engineering and Applied Science* December 2019
  - Bachelor of Applied Science: **Computer and Information Science**
  - Relevant coursework: Machine Learning, Internet and Web Systems, Algorithms and Data Structures
- *The Wharton School*
  - Bachelor of Science in Economics: **Concentration in Statistics**
  - Relevant coursework: Data Mining, Causal Inference, Statistical Marketing Models, Accounting, Corporate Finance

SKILLS AND NOTABLE PROJECTS

Programming: Java, Python, R, MATLAB, JavaScript
Web Technologies: NodeJS, ReactJS, HTML/CSS, Cloud Computing *(AWS + Google Cloud)*, Git, Web Design
Entrepreneurial Skills: Data Analytics, Rapid Prototyping *(Sketch + Principle),* Product Management *(Agile)*, Salesforce, Google Analytics, GSuite Admin, AutoCAD *(Solidworks)*, Healthcare legislation *(HIPAA)*
Languages: English and Chinese *(native fluency)*

Penn Society for Psychedelic Science (PSPS) (pennpsychedelics.org) Philadelphia, PA
Cofounder, Creative Director January 2019 — Present
- Director of **PSPSLabs**, an innovation lab for psychedelics and consciousness related projects
- Launched inaugural **Intercollegiate Psychedelics Summit**, hosting 8 speakers and 160 students and researchers. Summit coverage: **Daily Pennsylvanian**

JunoSearch: A scalable search engine (goo.gl/kpDkOn) Philadelphia, PA
Software Engineer, Designer April —May 2017
- Implemented a distributed, fully polite Mercator crawler capable of retrieving 900,000 webpages in 21 hours
- Designed servlet backend and front end for the search engine, integrating Wikipedia and eBay search results

PROFESSIONAL EXPERIENCE

RosettaMD (rosettamd.org) San Francisco, CA; Waterloo, Canada
Product Lead, HIPAA Security Officer September 2017 — August 2018
- Established a new team of 5 software engineers and doctors in Waterloo, Canada
- Led product development with Agile; assumed design, rapid prototyping and admin responsibilities
- Developed and implemented HIPAA Information Security Management System
- Collaborated with CEO on sales, marketing and VC efforts, including website development and growth strategies

Atomic.vc (atomic.vc) San Francisco, CA
Product Manager Intern May — August 2017
- Hacker at two-person stealth-mode healthcare startup
- Conducted market research and developed 8-week prototype launch strategy
- Developed and launched minimum viable product

Algorithms and Data Structures Course Staff Philadelphia, PA
Teaching Assistant January – June 2017
- Empowered students as a mentor by leading weekly recitation sessions and office hours
- Created comprehensive lesson plans and graded assignments with personalized feedback

HuaAt Data Technology (Shanghai) Co., Ltd Shanghai, China
Software Developer June — August 2016
- Developed a Java program that extracts keywords from millions of articles using TFIDF, information entropy, and natural language processing techniques, speeding up existing algorithms by 5x with parallel processing
- Linked SQL Server Database with Neo4j graphical database, creating visualizations of extracted keywords
- Prepared official technical translation for BOT Shanghai 2016, a Chinese national AI competition

Interests: Backpacking, Table Tennis, Neuropsychopharmacology, Piano Composition, Billiards, Parkour, Drone Piloting, A Capella