Patrick Li

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EDUCATION

University of Pennsylvania, 3.7 GPA   Expected Graduation May 2023
- *School of Engineering and Applied Science:* MSE in Computer Science, BSE in Computer Science
- *The Wharton School:* BS in Economics, Concentration in Management
- *Jerome Fisher Program in Management and Technology:* A dual degree program.

Saratoga High School, *Very High Honors*

EXPERIENCE

Software Engineering Intern, MongoDB   May 2022 - Aug 2022
- Planned, developed, and tested an integration from scratch for Mongo's internal provisioning platform and Cloud Atlas Teams.
- Created dockerized workflows and reduced redundancies in drone configurations in multiple integrations.
- Worked with python, kubernetes, docker, and drone ci/cd for building out a fully unit tested and deployable product.

Software Developer Intern, Very Good Ventures   May 2021 - August 2021
- Worked with the open source team to update the Bloc Library, added analytics and gallery functionality to our client starter code
- Worked with the Dafiti client to rebuild their mobile e-commerce app, scripted pages, wrote unit tests, and designed workflows.

Research Intern, Vanderbilt University   June 2020 - September 2020
Guidance by Dr. You Chen
- Created an informatics framework for identifying, measuring, and analyzing the collaboration of healthcare workers using the Electronic Health Record Audit Logs of patients.
- Used unsupervised machine learning algorithms to find insights on the collaborative tendencies of healthcare workers by leveraging the framework. Presented at 2021 AMIA Symposium. Wrote and published manuscript in JMIR.

Co-Founder, DaliLabs, Inc.   November 2015 - June 2020
Mobile application development firm
- DaliLabs is an app development lab, with over 20+ projects. We've created mobile apps that have risen to the top 30 most popular on the Apple App store, and other web and desktop applications that have been used tens of thousands of times. Our projects range from viral hyper-casual games to an augmented reality travel app. We have over 60k+ users across all our products.

Research Intern, Vanderbilt University   June 2018 - August 2018
Guidance by Dr. Bradley Malin and Dr. You Chen
- Conceptualized, designed, and archetyped a decentralized network for a prescription management system across health institutions to improve interoperable patient medication history tracking and prescribing. Built proof of concept on Hyperledger Fabric network and Angular client. Published in BHTY journal. Presented at 2018 AMIA Symposium.

Co-Founder, Waypoint   August 2017 - October 2017
- Won 1st place at "AngelHacks Silicon Valley", earning a place in AngelHack's accelerator program (top 20 teams out of 1400 world wide).
- Bootstrapped an early stage startup around creating an ecosystem of augmented reality geo-pins for consumer navigation.
- Wrote executive summaries, created pitch decks, marketed products, and various other early stage startup obstacles.
- Pitched to investors from 500 startups, AngelPad, Y Combinator, and TechCrunch at Global Demo Day, received $20,000 in funding

RESEARCH AND PUBLICATIONS

- **P. Li**, B. Chen, E. Rhodes, J. Slagle, W. Alrifai, D. France, Y. Chen, "Measuring Collaboration Through Concurrent Electronic Health Record Usage: Network Analysis Study", *JMIR Med Inform 2021;* 9(9):e28998 doe: 10.2196/28998 PMID:34477566
- **P. Li**, S. Nelson, B. Malin, and Y. Chen, "DMMS: A Decentralized Blockchain Ledger for the Management of Medication Histories", *Blockchain in Healthcare Today*, vol. 2, Jan. 2019.
- A. Gupta, D. Bessonov, and **P. Li**, "A decision-theoretic approach to detection-based target search with a UAV," *2017 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, Vancouver, BC, Canada, 2017, pp. 5304-5309.

HONORS AND AWARDS

- AngelHack Global Demo Day, earned a place in the 20 finalist teams out of 1400 teams world wide, $20,000 in funding   October, 2017
- Invited to 2018 American Medical Informatics Association (AMIA) Symposium to present paper   September, 2018
- Apple 2016 WWDC scholarship (10% acceptance rate from applications globally)   June, 2016
- LA Hacks 2019 second place overall (out of 300 teams), Capital One best overall Financial Hack   April, 2019
- AngelHacks (Silicon Valley) 1st place overall (out of 100 teams)   July, 2017
- LA Hacks 2017 winner of $2000 1517 grant (out of 300 teams)   April, 2017
- SV Hacks winner of Uber prize and 3rd place overall (out of 60 teams)   February, 2016

SKILLS

- Languages - Javascript, Java, Python, C++, Swift, Dart, HTML/CSS, C#
- Platforms - React, Flutter, Angular JS, Xcode, Firebase, Photoshop, Hopper, Machine Learning