Patrick Li

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EXPERIENCE

Intertrust Technologies Corporation
Software Intern   *Summer 2017*
- Read and modify byte code using static disassemblers (OllyDbg, IDA Pro, Hopper). Worked on patching Android and iOS applications using Hopper, LLDB Debugger, and Cycrpt
- Built sample mobile note-taking applications for encryptions and reverse-engineering testing
- Implemented industry standard encryption techniques in anti-debug, jailbreak protection, integrity checks, and control flow obfuscation
- Documented WhiteCryption products: "Code Protection" and "Secure Key Box"

AngelHacks, Inc
HACKcelerator 2017 Bach   *Aug 2017 – Oct 2017*
- Participated in AngelHack's invite-only 3 month pre-accelerator program after winning 1st place at "AngelHacks Silicon Valley"
- Built "Waypoint," a mobile application aiming to create an ecosystem of 3-D geo-pins attached to physical landmarks and buildings
- Wrote executive summaries, created pitch decks, marketed products, and various other early stage startup obstacles
- Pitched to investors from 500 startups, AngelPad, Y Combinator, TechCrunch, and more at Global Demo Day

NFlate, Inc.
Software Intern   *Summer 2016*
- Worked on mvp for nFlate's mobile E-commerce product "See it Buy it." Built ground level UI/UIX elements.
- Integrated application with ViSenze visual commerce API. Worked with AWS Elasticsearch, Elastic Beanstalk, and DynamoDB
- Implemented asynchronous queries for image similarity searches.

CoderDojo Silicon Valley
Host/Coordinator   *Nov 2016 – Present*
- Coder Dojo is a global volunteer-led community of free programming clubs for students ages 7 to 17.
- Organized and directed monthly meetings at various locations around the Bay Area for local students.
- Created curriculum for meetings. Engaged in hands on teaching and guidance with students.

DaliLabs, Inc.
Co-Founder   *Nov 2015 – Present*
- Team of developers creating mobile applications for everything, from beautiful minimalistic sleep trackers to monetized apps based on market trends. 100,000+ users.

RESEARCH AND PUBLICATIONS

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.
- Conceptualized, designed, and archetyped a decentralized network for a prescription management system across health institutions to improve patient medication history tracking and prescribing.
- Built proof of concept on Hyperledger Fabric network and Angular client. Wrote manuscript on archetype and published in Blockchain in Healthcare Today (BHTY) journal.

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
- Optimizing real-time UAV target search with sequential algorithm using partially observable Markov decision making processes
- In simulations, drone finds target 3.4 times faster compared to a heuristic policy
- Built a DJI F550 hexacopter fitted with a 3DR Pixhawk Flight Control System and Raspberry Pi connected to a 1080p camera.

HONORS AND AWARDS

- AMIA High School Scholar
- Apple 2016 WWDC scholarship
- AngelHacks (Silicon Valley) 1st place overall (out of 100 teams)
- Sense360 Hackathon 1st place overall
- LA Hacks winner of $2000 1517 grant (out of 300 teams)
- SV Hacks winner of Uber prize and 3rd place overall (out of 60 teams)

EDUCATION

Saratoga High School - Currently Enrolled, 4.4 GPA Weighted, Class of 2019
University of Pennsylvania - Incoming Jerome Fisher M&T Class of 2023.