Patrick Xu

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EDUCATION

Dartmouth College, Hanover, NH   Jun 2017
Bachelor of Arts in Computer Science | GPA: 3.73/4.00
Activities: Mountain Biking Club, Mountaineering Club, Haven Volunteer Cooking Program

WORK EXPERIENCE

Facebook, Menlo Park, CA   Jun 2016 – Present
Software Engineering Intern
- Worked as a full-stack engineer on the Platform Payments Risk team
- Migrated tools to review fraudulent activities and respond to users on the Oculus, Ads, and Games platforms
- Developed an action to unpublish fraudulent pages to be used in conjunction with other anti-fraud actions
- Worked with analysts to determine tool UI and to roll out the tool to a percentage of reviewers

Digital Arts, Leadership, and Innovation Lab, Hanover NH   Sep 2015 – Present
Lead Software Developer | Project Manager | Staff | Mentor
- Provide general and technical support to 15-20 teams of 3-5 students solving real-world problems
- Onboard new lab members, guide lab decisions and direction, and run lab help hours and meetings
- Developed an app which allows users to request a study buddy or form a study group based on class schedule, availability, and location preferences. Currently in a pilot program with 3 introductory classes
- Developed an app which allows users to set specific food delivery location and then gives users real-time updates

Dartmouth Entrepreneurial Network, Hanover, NH   Jun – Nov 2015
iOS Developer
- iOS app which provides a private and custom social network primarily using location-based services
- Integrated with a companion Apple Watch app. Uses Parse and Swift

The MITRE Corporation, Bedford, MA   Mar – Jun, Dec 2015
Software Engineering Intern
- Developed an Android traumatic brain injury rehabilitation app by allowing users to create tasks with custom steps, durations, and reminders to reinforce positive, repetitive behavior
- Released to the app store in December 2015 and in use with a companion iOS app
- Developed a script to access, publish, and download media from 7 major social media platforms as part of larger effort to track criminal activities through social media

Dartmouth Tutor Clearinghouse, Hanover, NH   Mar 2014 – Aug 2015
Computer Science Tutor
- Tutored 2-3 students per term for a mid-level class in C and an introductory class in Python

PROJECTS

Apex, github.com/dali-lab/apex   Apr 2016
- iOS app to organize and coordinate trips with friends, focusing on activities like hiking and kayaking
- First place at Dartmouth's Spring HackDay 2016. Uses Firebase and Swift

Smart-Parking Simulation, github.com/patxu/parking_sim   Aug 2015
- Simulated smart vs naïve parking and compared search time and parking distance from destination
- Procedural road and city generation, multiple car behaviors, custom visualization

SKILLS

Languages: Python, Java, PHP, Javascript, Swift, C, Matlab, HTML/CSS
Technologies: iOS, Android, Unix, React Native, Firebase, Node.js, Git, Mercurial