

Patrick Xu

3723 Hinman Box, Hanover, NH 03755 | xu.17@dartmouth.edu | (978) 412-5505
linkedin.com/in/patxu2017

EDUCATION

Dartmouth College , Hanover, NH	June 2017
<i>Bachelor of Arts: Major in Computer Science</i>	GPA: 3.8/4.0
Hamilton-Wenham Regional High School , Hamilton, MA	June 2013
<i>High Honors: Top 5%</i>	

WORK EXPERIENCE

Digital Arts, Leadership, and Innovation Lab , Hanover, NH	September 2015 – Present
<i>iOS Developer, Part-Time</i>	
<ul style="list-style-type: none">iOS app in which users request a study buddy or form a study group based on class schedule, availability, and location preferencesParse supports users and classes in a many-to-many relationshipSlack, Trello, and GitHub support project management, collaboration, and issue tracking	
Dartmouth Entrepreneurial Network (DEN) , Hanover, NH	June – November 2015
<i>iOS Developer, Part-Time</i>	
<ul style="list-style-type: none">iOS app which uses location services to maintain a list of users in the DENParse supports user profiles and sessionsIntegrated with a companion Apple Watch componentPresented at the DEN's quarterly community showcase	
The MITRE Corporation , Bedford, MA	March – June 2015
<i>Android Developer, Intern</i>	
<ul style="list-style-type: none">Developed the Android version of an iOS app for traumatic brain injury therapyImplemented calendar synchronization and database functionalityAdapted design for Android theme and the Material Design guidelines (view screenshots at imgur.com/a/PN4CZ)Utilized Javadoc-style documentation, unit tests, bug tracking, and source controlPresented app during yearly reviewReady for release to app store pending code review	
Dartmouth Tutor Clearinghouse , Hanover, NH	March 2014 – August 2015
<i>Computer Science Tutor</i>	
<ul style="list-style-type: none">Tutored 10 students, two of which were referrals, for two classes:<ul style="list-style-type: none">A mid-level class that introduces students to UNIX/Shell and C, building and managing complex source files, and working within small teamsAn introductory class in Python for students with no CS background	

PROJECTS

Smart Parking Simulation (github.com/patxu/parking_sim)	August 2015
<ul style="list-style-type: none">Simulation to model smart and naïve parking behaviorProcedural road generation exported to XML filesUtilizes SimPy for discrete event simulationSupports custom city generation, multiple car behaviors, and a graphics layer	
Workspace Settings (github.com/patxu/workspace_settings)	March 2015 – Present
<ul style="list-style-type: none">Quickly setup and maintain my personal workspace settings across multiple machinesBash scripts standardize and automate setupSupports my Bash, Vim, Git, iTerm, and Hammerspoon settings	

SKILLS

Development: Python, Java, Android, Swift, iOS, C, Git, Vim, UNIX/Shell
Interests: Rock Climbing, Mountain Biking, Volleyball, Skiing, Photography, Cooking