ANDREW TRAN

PRODUCT/UIUX DESIGNER + FULL-STACK DEVELOPER

DREWTRAN.COM
ATRAN[AT]PRINCETON.EDU
503-334-9976

PRINCETON UNIVERSITY

CLASS OF 2016   **GPA 3.54** / 4.0

B.S. Computer Science, minor in Architecture

COURSEWORK

ADVANCED COMPUTER NETWORKS (GRADUATE COURSE)   COMPUTER NETWORKS
ARTIFICIAL INTELLIGENCE   HUMAN-COMPUTER INTERACTION (COURSERA, UCSD)
INFORMATION RETRIEVAL AND DATA DISCOVERY   ADVANCED PROGRAMMING TECHNIQUES
COMPUTER GRAPHICS   PROGRAMMING SYSTEMS
ALGORITHMS AND DATA STRUCTURES

EXPERIENCE

HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
SOFTWARE DEVELOPMENT ENGINEER CLEARWATER BAY - HONG KONG
JUNE 2014 - AUG. 2014

Java [Android], R
Led the design and development of a new panoramic indoor navigation application for Android. /
Led the redesign of the identity for the Wherami brand. /
Refactored database queries made by a separate indoor positioning application being introduced at Hong Kong International Airport (HKG). /
Designed and implemented an improved sensor fusion algorithm for intertial navigation in offline mode that reduced error to less than 7%, accumulating in a full demo presented to an audience at a press conference at Hong Kong's Cyberport. /

GOOD ST.
FULL-STACK ENGINEER NEW YORK - NY
JAN. 2014 - JUNE 2014

Rails, HTML/CSS/JavaScript
Built a social layer on top of Good St.'s email-based subscription charity-giving platform by designing user profiles that displays a user's charities and impact. /
Implemented a Dropbox-style system for referral and affiliate tracking using Devise and CanCan. /
Integrated the prior checkout system with the Stripe payment API. /

FIRESTOP APP
FRONT-END ENGINEER NEW YORK - NY
MAR. 2014 - MAY 2014

HTML/CSS/JavaScript
Designed and coded the version of the website that was featured on The Next Web. /
Illustrated a set of custom UI icons featured on the website ./

OPENSESAME
VENTURE HACKER PORTLAND - OR
JUNE 2012 - AUG. 2012

HTML/CSS
Worked one-on-one with the VP of Engineering to meet the summer metric of reducing domestic page load times by 50% to 2 seconds. /
Placed 1st among 12 interns in the number of sellers sourced and recruited onto the OpenSesame marketplace for online courseware. /

ACTIVITIES

CAL HACKS
CAMPUS OUTREACH MANAGER
JUNE 2014 - PRESENT
Furthered Cal Hack's effort to become the first major collegiate hackathon in the Bay by pushing the marketing presence and sourcing travel reimbursement for Princeton hackers. /

LA HACKS
CAMPUS OUTREACH MANAGER
JAN. 2014 - APR. 2014
Sourced airfare compensation for Princeton participants that took part in the largest hackathon in history with 1,500 hackers in attendance. /

PROJECTS

PRINCETON DRONES
FOUNDER
JULY. 2014 - PRESENT
A group of designers, engineers, and young policymakers aiming to teach members of the Princeton community about the social, technological, and legislative issues surrounding the proliferation of unmanned aerial vehicles.

DESCRIB.IT
FULL-STACK
JUNE 2014 - JULY 2014
Rails, HTML/CSS/JavaScript, Ionic Framework
A mobile-optimized remake of the classic board game, Taboo. Card swipe animations done using the Ionic Framework for developing hybrid mobile apps. /

ENCHORD
FRONT-END
FEB. 2014 - JUNE 2014
HTML/CSS/JavaScript
The Enchord web app gives guitarists a one-stop platform for composing, saving, and sharing their music. Work included implementing a custom markup language that fed into a realtime parser and visualization engine, and crafting a responsive mobile interface suitable for musicians on-the-go. /

Development was done using a MEAN stack. /

WHAT SHOULD I WATCH
FULL-STACK
FEB. 2014 - JUNE 2014
Rails, Python, R, HTML/CSS/JavaScript
Forked the Popcorn Time repo and added movie recommendations through collaborative filtering of movie titles acquired by scraping the Netflix dataset and applying it to a kNN algorithm written in R and interfaced through RSRuby. /

SKILLS

PROGRAMMING

WEBSTACK
HTML/CSS/JAVASCRIPT
RUBY ON RAILS
LEARNING: METEOR, NODE.JS, EXPRESS.JS

MOBILE
JAVA [ANDROID]
LEARNING: iOS

SCRIPTING / OTHER
PYTHON
RUBY
C
R

DESIGN

DISCIPLINES
UIUX - WEB + MOBILE

TOOLS
SKETCH
ADOBE PHOTOSHOP/AFTER EFFECTS

TECHNIQUES
RAPID PROTOTYPING