

# Valentin Perez

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## EXPERIENCE

### *Software Engineer Intern*, **Snap, Inc.**

Los Angeles, CA · Summer 2017

Revamped iOS code-wide linting pipeline. Built iOS UI debugging tool celebrated by designers and engineers at Snap. Decreased app crash rate and memory usage.

### *Software Engineer Intern, Mobile Infrastructure* **UBER, KPCB Fellow '16**

San Francisco, CA · Summer 2016

Built library for better upgrades system across all Uber iOS apps, including new rider app. Worked with Swift, Objective-C, Buck (build system), CI, and rolled out experiments.

One of 54 KPCB Engineering Fellows selected (<2% acceptance rate) to meet and learn from startup leaders and VC partners.

### *iOS Software Engineer Intern* **Matchbook, hackNY Fellow '15**

New York, NY · Summer 2015

Implemented multiple features for Matchbook's iOS app in Swift and Objective-C. Re-developed Matchbook's homepage and integrated it with the Ruby, Rails app.

Received mentorship, attended private talks from leaders in the NYC tech community, worked at a vc-backed startup, and lived with 33 other awesome hackNY fellows.

### *Founder, Developer* **Valpe Technologies, LLC**

Spring 2013 - Present

Created a Development Studio focused on iOS and web applications.

Built more than 20 iOS apps; 7 currently in the AppStore; more than 20k downloads.

### *Peer Entrepreneur in Residence* **Brown University**

I advise students with their ideas and startups at the Nelson Center for entrepreneurship.

### *Student Partner* **Rough Draft Ventures**

I started RDV's presence at Brown and help make weekly investment decisions out of our Boston office since 2016. RDV is supporting the largest network of student entrepreneurs.

## SELECT PROJECTS

### *Daycation - Co-Founder, Developer* Summer 2015 - Summer 2016

Received venture capital funding from Rough Draft Ventures and grants from Brown. iOS app for enjoying hotel amenities. Built web app with React.js, AWS, Go, MongoDB. Payments through Stripe, all iOS in Swift. Company is still live (2018) in Miami and NYC.

### *Maps & Traffic - CS class project* Spring 2015

Implemented a "google maps" from scratch with autocorrect/suggestions, kd-tree to find nearest places, A\* search algorithm to show nearest paths, and dynamic traffic updates.

### *Join Profile* 2014 - 2015

Won 2nd place & most creative at MIT Startup Pitch Night Competition. Designed, developed, and launched iOS app that integrates all your social networks in one.

### *Song Recommender - CS class project* Spring 2016

Implemented a song recommender engine using user-based collaborative filtering. Data from the Million Song Dataset. Built in Python with interactive web app.

### *Deep Learning Music* Fall 2016

Used Tensorflow to build recurrent neural networks (LSTMs) with multiple techniques such as attention, lookback, peepholes, and grid LSTMs that generated EDM music.

### *Puddlestore Distributed File System* Spring 2017

Built distributed file system built in Go, using Tapestry to store data blocks, and the Raft consensus algorithm to commit changes. CS class project.

### *Gravity Monkey iOS app* 2014

Ranked #1 on both new Arcade and Adventure games in the U.S. AppStore. Built in Objective-C and Cocos2D game engine. In-app purchases and Game Center.

### *We Wash It Laundry App* 2013

Built pick-up requests app for laundry company in Philadelphia that caters to UPenn and five other colleges.

## EDUCATION

### **Brown University** Sc.B. in Computer Science and Applied Math

2014 - 2018 CS GPA: 3.7

Software Eng., Machine Learning, Deep Learning, Data Science, Blockchain Seminar  
Recent Applications of Probability and Statistics, Discrete Structures & Probability,  
Statistical Inference, Honors Linear Algebra, Methods of Applied Math I & II  
Design & Analysis of Algorithms, Computer Systems, Distributed Computer Systems

### Independent Online Courses

Machine Learning by Stanford University - *Coursera*  
Computational Investing by Georgia Tech - *Coursera*  
Reinforcement Learning by Brown University - *Udacity*  
Web Development - *Udacity*

## LEADERSHIP

### **Co-President** of the **Brown Entrepreneurship Program**

Grew club from 20 to 50 people, overseeing 9 teams running a speaker series, semester class for underclassmen, trips to NYC, SF, BOS, and more.

Helped create 3 conferences and worked with alumni board to double budget.

### **Founder** of **Startup@Brown**

Lead conference connecting 300 students & startups for 3 years.

### **Founding Team Member** of **Blockchain@Brown**

### **Organizer** for **Hack@Brown**

Brown's annual hackathon for 400 students.— organized for 2 years.

### **Campus Director** at **Navtalent**

Lead team that meets with students and matches them with startups.

### **Co-Founder / Student** at **MIT Launch**

Launched a company in a month while learning at MIT's summer program

### **Board Member** for **CS Departmental Undergraduate Group** — Fall 2015

### **Teaching Assistant** for **Machine Learning** — Spring 2017

## AWARDS

### WWDC 2015 Scholarship

### Apple

### 2nd place & most creative

### MIT's Startup Pitch Night Competition 2014

### Best Presentation

### MIT Launch 2014

## SKILLS

### **Proficient**

Swift, Objective-C, Java,  
Web Development, JavaScript,  
Functional Programming

### **Used in projects or classes**

Go, Python, Octave, Processing,  
Node.js, Ruby, PHP, React.js  
MySQL, AWS, Heroku, Photoshop

Interested in: Machine Learning, Data Science, Blockchain, Consciousness, Learning, Energy, Travel, Music, and Life.