Valentin Perez

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EXPERIENCE

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

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.

Leadership Roles **Brown University**

Co-President of the **Brown Entrepreneurship Program**. Lead 40-person club with 9
different teams running a speaker series, semester class for underclassmen, trips to startup cities,
and more. Helped create three new teams. Work with alumni board. Doubled program's budget.
Founder of **Startup@Brown**, 2-day conference connecting 300 students & startups.
Organizer for **Hack@Brown**, Brown's annual hackathon for 400 students.
Student Partner at **Rough Draft Ventures**. Meet with student startups and
contribute to investment decisions (up to $25k in funding).
Board Member for **CS Departmental Undergraduate Group** — Fall 2015
Teaching Assistant for **Machine Learning** — Spring 2017

SELECT PROJECTS

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

Received venture capital funding from Rough Draft Ventures and grant from Brown.
iOS app for using hotel amenities. Built web app with React.js, AWS, Go, MongoDB.
Built backend on Heroku with Node.js, payments through Stripe, all iOS in Swift.

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 Engineering, Machine Learning, Deep Learning, Data Science,
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

MIT Launch Summer
Summer 2014

Summer entrepreneurship program by MIT; heavy team collaboration to start a
company in a month, as lead dev. Also re-built MIT Launch's website and updates.

Northfield Mount Hermon Boarding Prep School
2012 - 2014 Massachusetts

Cum Laude and numerous leadership positions.
AP Computer Science, AP Calculus BC, Multivariable Calculus, Digital Design

Harvard Summer School
Summer 2013

Building Mobile Applications: iOS with Objective-C and mobile web apps
Spaces, Mappings, and Structures: Intro to proof with Abstract Algebra

A-Star Math Program Competition Math
Summer 2012 · Los Angeles, CA

Intro to Number Theory, Algebra, Geometry, Combinatorics, and intro to C++.

Independent Online Courses

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

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, Life,**
Consciousness, Learning, Energy, Travel, and Music.