

Marissa Le Coz

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EDUCATION

Dartmouth College , Hanover, NH <i>Master of Science: Computer Science</i> <ul style="list-style-type: none">Recipient of merit-based 100%-tuition scholarship, Citation for Academic Excellence.Coursework: Databases, Operating Systems, Bioinformatics, Digital Signal Processing, iOS-themed Independent Study, Data Science (Spring '18), Health Informatics (Spring '18), Theory of Computation (Spring '18).	June 2018 5 "High Passes" 1 "Pass"
Dartmouth College , Hanover, NH <i>Bachelor of Arts: Major in Computer Science with Honors, Cum Laude</i> <ul style="list-style-type: none">James O. Freedman Presidential Scholar, Citation for Academic Excellence, Honors List.Coursework: Object-Oriented Programming, Algorithms, Software Design & Implementation, Discrete Math, Computer Architecture, Numerical & Computational Tools, Machine Learning, Cognitive Computing with Watson, Human-Computer Interaction, Honors Linear Algebra, Calculus III.	June 2017 GPA: 3.75/4.0
Essex High School , Essex Junction, VT <i>Summa Cum Laude, AP Scholar with Distinction, National Honor Society</i>	June 2013 GPA: 98.4/100

TECHNICAL SKILLS

Languages: Swift (*adv*), Objective-C (*beg*), Python (*adv*), Matlab (*int*), C (*int*), Java (*adv*), bash scripting (*int*), HTML (*beg*), CSS (*beg*).

Other: UNIX/Linux, git, iOS 10/11 SDKs, Xcode 8/9, vi, agile scrum.

FEATURED WORK EXPERIENCE

Twitter , Cambridge, MA <i>Software Engineering Intern, Media Consumption Team (Video) – iOS – Swift and Objective-C</i> <ul style="list-style-type: none">Designed, developed, and documented a well-abstracted and maintainable internal API to support a new feature for the iOS Twitter app. The specifics of this project are confidential until the release of this feature.Contributed readable, modularized, defensive, and well-documented Swift and Objective-C code to Twitter's iOS code base and formally presented my work to the team.Collaborated with other engineers to work through various design decisions and challenges in order to arrive at the most elegant, clean, and high-quality solutions possible.	June - Sept 2017
Dealer.com , Burlington, VT <i>Software Engineering Intern, Cloud Computing with Amazon AWS, Java</i> <ul style="list-style-type: none">Improved log querying capabilities by forwarding AWS CloudWatch logs to a third-party logging system via an AWS Lambda.Contributed to the transition to a continuous deployment model by writing exhaustive JUnit tests to be automatically run before releasing apps that process customer leads.Enhanced team efficiency by writing bash scripts that place a lock file on an AWS EC2 instance in use.	June - Aug 2016

OTHER WORK EXPERIENCE

Notabli , Burlington, VT – <i>Software Developer Intern, Android and web</i>	Jan - Mar 2016
Digital Arts Leadership & Innovation (DALI) Lab at Dartmouth – <i>Software Developer & Project Manager</i>	June - Nov 2015
Dartmouth College Computer Science Department – <i>Teaching Assistant for C.S. 1</i>	Sept - Nov 2014

SELECTED PROJECTS

NovenaNetwork – iOS, Swift – App Store: https://itunes.apple.com/us/app/novenanetwork/id1228326485?mt=8 <i>An iOS social media app for praying novenas (a Catholic form of prayer) with others.</i> <i>Technologies:</i> iOS 10/11 SDKs, Xcode 8/9, Swift 3/4, CloudKit, UIKit, MapKit & CoreLocation, CocoaPods, git. <ul style="list-style-type: none">Completed this independent project for my senior thesis at Dartmouth, earning Honors in C.S.Leveraged my UI/UX design skills, software engineering knowledge, and time management abilities to produce an app in under sixth months. (Version 1.0 entered the AppStore in mid-May 2017.)Taught myself iOS development and Swift in the process of doing this project.	Jan 2017 - present
CKTrends – iOS, Swift <i>An iOS app and API for viewing more detailed and accurate usage statistics for developers' CloudKit-based apps.</i> <i>Technologies:</i> iOS 10/11 SDKs, Xcode 8/9, Swift 3/4, CloudKit, Google Firebase, UIKit, CocoaPods, git.	Sept 2017 - March 2018
PulSonify – iOS, Swift <i>An iOS app and Apple Watch app for making sounds to the tempo of your heartbeat.</i> <i>Technologies:</i> iOS 11 SDKs, Xcode 9, Swift 4, WatchKit, HealthKit, AudioKit, CloudKit, UIKit, CocoaPods, git.	Feb - March 2018

OTHER ACTIVITIES

- STEM Academy **Presenter** at Essex High School, December 2015 – "What's it like to major in Computer Science?"
- Student Leader** and **Officer** on Outreach Committee at Aquinas House Catholic Student Center. 2014 – present.
- Writer** and an **Editor** for *The Dartmouth Apologia*, Dartmouth's journal on Philosophy & Christianity. 2014 – 2017.
- Tap Dancer:** Twelve years of lessons and performing.