

Barron Roth

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Education

- **Boston University** **Boston, MA**
College of Engineering, B.Sc. Computer Engineering, Concn. Technology Innovation Dec. 2016
 - **Pine Crest School** **Fort Lauderdale, FL**
ACT: 33 (99%ile), Honor Roll, National Merit Commended & Hispanic Recognition Program Scholar Class of 2012
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Experience

- **Tablelist** **Boston, MA**
Software Engineering Intern Summer 2015
 - Developed an improved event system for Tablelist iOS application containing relevant API data using *Swift*.
 - Initiated migration of iOS back-end from the Core Data framework to the Realm Mobile Database in *Swift 2.0*.
 - Led product QA efforts by targeting specific user demographics collected through scripts ran on user database.
 - Provided nightlife photography & video for Tablelist events at New York City & Boston partner venues.
 - **Advanced Micro Devices (AMD)** **Austin, TX**
Semi-Custom Product Development Co-Op Engineer Spring 2014
 - Tested coverage & compliance of semi-custom APUs using Automated Test Equipment at extreme conditions.
 - Developed scripting program using *Perl* to facilitate big data aggregation & determine trends in testing results.
 - Participated in meetings with customer (Microsoft) to identify & document APU architectural performance issues.
 - Spearheaded revival of AMD University Student Center program by photographing intern headshots & activities.
 - **Downtyme, Inc.** downty.me/
Co-Founder & Program Manager Nov. 2013 – Present
 - Developed concept for iOS & Android social-productivity app and led product team through
 - Co-founded corporation to eventual funding by Rough Draft Ventures.
 - **Luxe St.** luxe-st.com/
Product Design Lead April 2014 – Present
 - Designed user interface, UX, style guide & branding materials for high-end fashion e-commerce iOS application.
 - Currently developing iOS beta using *Swift*, for distribution in Winter 2016.
 - **Barron Roth Photography** barronroth.photography/
 - Photographer for a variety of clientele from Ariana Grande to Cushman & Wakefield Commercial Real Estate.
 - Organically acquired over 10,000 followers on Facebook & Instagram platforms for business promotion.
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Activities

- **Boston University Student Government** BUStudentGov.com/
Vice President April 2015 – Present
 - Championed revival of digital presence for BU Student Government by developing website & redesigning logos.
 - Led transition of cabinet & executive board members onto *Slack* for communications & *Trello* for task management.
 - **Society of Hispanic Professional Engineers (SHPE)** SHPEBU.org/
President Fall 2012 – Present
 - Created and maintained a professional online presence for the chapter by creating the website SHPEBU.org.
 - Attended SHPE 2013 National Conference in Indianapolis, Indiana to represent our chapter on a national level.
 - **BU Entrepreneurship Club** October 2013 – Present
Mentor – Startup Challenge
 - Served as a mentor for a team of undergraduates participating in BU E-Club's Annual Startup Challenge.
 - Designed TechR.edu, a non-profit which repurposes technology for 3rd-world usage, winning the 1st Place Prize.
 - **Computer Engineering Club (Make_BU)** make.bu.edu
Cofounder October 2013 – Present
 - Cofounded BU's first organization dedicated to hackathons, hosting a weekly hack night for CS practice.
 - Assisted in organizing and hosting BU's first-annual hackathon, MakeBU, with 500+ attendants from all over New England.
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Honors & Recognitions

- Downtyme – 1st Place: MIT Beantown Throwdown Startup Competition & BU ENG Imagineering Competition
 - Dean's Host – Boston University College of Engineering. Selected among several hundred applicants.
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Technical Skills

Languages: Swift, Objective-C, Python, C, C++, HTML, CSS, Perl, L^AT_EX, MATLAB, Spanish (fluent)
Software: Sketch, Principle, Slack, Trello, Asana, Final Cut Pro, Adobe Photoshop, Lightroom, Illustrator