

# 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.
  - **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 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: BU ENG Imagineering Competition; BU Entrepreneurship Startup Competition *Oct. 2014*
  - Dean's Host – Boston University College of Engineering. Selected among several hundred applicants. *Spring 2013*
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## Technical Skills

**Languages:** Swift, Objective-C, Python, C, C++, HTML, CSS, Perl,  $\text{\LaTeX}$ , MATLAB, Spanish

**Software:** Sketch, Principle, Final Cut Pro, Adobe Photoshop, Lightroom, Illustrator, Premiere, After Effects