

BRIAN SAKHUJA

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EDUCATION

- Los Angeles, CA** **University of California, Los Angeles** **September 2017 - Present**
- M.S. in Computer Science, June 2019 (expected). Focus on machine learning and artificial intelligence.
- San Francisco, CA** **Make School** **June 2017 - August 2017**
- 8-week, 40 hours per week iOS application bootcamp using Swift and Xcode.
 - Developed an application called "Streambox" which allows users to stream their music from Dropbox. Available on the App Store.
- Villanova, PA** **Villanova University** **August 2014 - May 2017**
- B.S. in Electrical Engineering and minor in Computer Science. Graduated Cum Laude. GPA: 3.63.
 - Awarded Dean's List Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016, Spring 2017.
 - Relevant coursework: software engineering, database systems, machine learning, microcontroller application design, MATLAB, antenna and transmission line design, signal processing, electrical communications, system models & control, data structures, analysis of algorithms, Java, C, C++, Python, SQL.
 - Activities: Senior design project: haptic navigation device for the visually impaired, general manager of Villanova's radio station, Institute of Electrical and Electronic Engineers member.
- Berkeley, CA** **University of California, Berkeley** **June 2015 - August 2015**
- Summer Session: data structures and algorithms with Java, programming methodology, and discrete mathematics.
- La Jolla, CA** **University of California, San Diego** **September 2013 - June 2014**
- Attended for one academic year then transferred to Villanova University. Studied Electrical Engineering.
 - Relevant coursework: C, analog design, digital design.
- Stanford, CA** **Stanford University** **June 2012 - August 2012**
- Summer Session: Introductory computer science class with Java.

EMPLOYMENT

- Los Angeles, CA** **UCLA Radio** **October 2017 - Present**
Software Developer
October 2017 - Present
- Modified iOS application to display DJ biography information.
- Villanova, PA** **WXVU 89.1 FM Villanova Radio** **September 2014 - May 2017**
General Manager
April 2016 - May 2017
- Created new website and a comprehensive guide to station operations.
 - Remodeled station to make it handicap accessible. Purchased new equipment for station.
 - Restructured staff positions and responsibilities. Revamped social media presence on Facebook, Instagram, Twitter, Mixcloud, and Snapchat.
- Technical Director* **September 2014 - April 2016**
- Built new computer for station. Installed new automation software and trained DJs to use it.
 - Performed weekly maintenance on equipment. Maintained logs of FM transmitter readings.
 - Taught DJs how to use Ableton Live.

SKILLS & EXPERIENCE

Projects

- UCLA Radio iOS application and website
- Streambox iOS application music streaming platform for Dropbox.
- Haptic navigation device for visually impaired
- For more information, please visit bsakhuja.github.io

Languages

- Swift, Python, C++, C, Java, SQL, HTML, CSS, JavaScript

Software

- Xcode, Sublime Text, Atom, IDLE, Eclipse, IntelliJ, Shell
- MATLAB, Simulink, Altera Quartus II, NI Multisim, NI LabVIEW, Keil uVision5, Weka

Tools, Frameworks, & Technologies

- Git, Agile/Scrum, Tensorflow, Dropbox API, Alamofire, Firebase, Trello
- Arduino, Raspberry Pi