# ALLIE BURTON

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## EDUCATION

**Princeton University | 2017 (expected)**

BSE Computer Science | Minor in Statistics and Machine Learning

Relevant Coursework (including Fall 2015):

- Algorithms & Data Structures
- Introduction to Programming Systems
- Advanced Programming Techniques
- Artificial Intelligence
- Operating Systems

## ACTIVITIES

Princeton Undergraduate Computer Science Council

Princeton Women in Computer Science (Tech Chair)

Princeton Faith & Action

## LANGUAGES & TOOLS

**Languages**: Java, Python, C, Objective-C, HTML/CSS, JavaScript, C++

**Tools**: Git, IntelliJ IDEA, Eclipse, Xcode, Photoshop, Illustrator

## EXPERIENCE

**Undergraduate CS Lab TA | Princeton University | September 2015**

Assist undergraduate students with debugging assignments for COS 126 (General Computer Science), COS 217 (Introduction to Programming Systems), & COS 226 (Algorithms & Data Structures)

**Lead Instructor | iD Tech | June 2015 – August 2015**

Taught iD Programming Labs 101, which includes Java, C++, Python, HTML, and JavaScript, to students aged 13 – 18

**Facebook U Intern | Facebook | June 2014 – August 2014**

Two weeks of iOS training followed by six weeks working in a team of three to create the iOS app Memory Lane

**Computer Science Summer Institute | Google | June 2013 – July 2013**

Three-week program at Google introducing basic programming skills using Python, HTML, & Google App Engine. Created the web app EyeFeed (http://eye-feed.appspot.com)

## PROJECTS

**BaseNote | March 2015 – May 2015**

Android app utilizing the Spotify and Google Maps API to connect the user's listening experience to their geographical location.

Technologies used: Android, Java, Spotify API, Google Maps API, Parse, IntelliJ IDEA/Android Studio (allieluu.github.io/BaseNote)

**Memory Lane | June 2015 – October 2015**

Streamlined, cloud-connected iOS journaling app. Available in the App Store.

Technologies used: iOS 7, Objective-C, Parse, Xcode (https://appsto.re/us/WliK2.i)