

Will Jiang

Education

2013-2017 **Major: Computer Science, *University of California, Berkeley.***
Current GPA: 3.5, Graduate: May 2017

Experience

- Summer 2016 **Software Engineer Intern at Expedia, Inc.**
- Implemented a new bug reporting system which allows easy screenshot annotation and log submission (iOS)
 - Implemented a feature allowing users to save favorite hotels and sync it to the backend server (Android)
 - Implemented a feature enabling the app to access saved Expedia credentials from Safari (iOS)
 - Worked with analytics frameworks to deploy AB tests for new features I implemented
 - Designed a new testing framework based on Groovy for automatic backend testing
- Summer 2015 **Undergraduate Student Instructor for**
Fall 2015 **CS61A: The Structure and Interpretation of Computer Programs,**
Spring 2016 ***University of California, Berkeley.***
- Instructor: Paul Hilfinger, John DeNero, Albert Wu and Robert Huang
 - Wrote interactive educational programs so the students can experiment with different data structures
 - Led small classes (30 students) to work on the course materials
 - Worked on daily basis with other teams on a large code repository
 - Taught lectures in front of 150 students on the topic of recursion

Projects

- Android (Java) **War Thunder Live Android Client.**
- An Android client for War Thunder Live portal (A forum)
 - Fetch / publish contents from the forum that does not have an API
 - Allow users to login and receive real time notifications
 - Native and modern Android application from scratch: Material Design, RecyclerView and Services
- Shiny (R/SparkR) **Yelp Review Predictor.**
- Applied machine learning in R to predict the corresponding rating for any review
 - Implemented an user-friendly interface written in Shiny framework
 - Applied MapReduce design throughout the entire project using SparkR
- Python/ncurses **Musicbox.**
- Worked on a terminal based music player written in Python
 - Made use of the Netease cloud music API to stream and cache music
 - Implemented a responsive UI with ncurses (responsive resizing, dynamic UI)
 - pypi: <https://pypi.python.org/pypi/NetEase-MusicBox/>

Courses

CS **Efficient Algorithms**, Operating System, Artificial Intelligence, Computer Network.
Software Engineering, Computer Security, Database Design.
Data Structure, Machine Structure and Program Structure.

Math & Stat **Discrete Math**, Linear Algebra, Statistics.

Skills

Language **Python, Java, Swift, Kotlin, C/C++, R, Ruby on Rails, SQL, Lisp, Scheme**
Tech **Android, MapReduce(Spark), Shiny, Unix Shell, Git, Android Studio, vim, LaTeX**