

# Max Woolf

max@minimaxir.com

## PROFESSIONAL EXPERIENCE

**Apple Inc.** – Software QA Engineer (Apps) – Cupertino, CA

Jul 2012 –

Apr 2017

- Tested [REDACTED] from alpha to public release.
- Found hundreds of bugs classified as “Showstopper” priority.
- Created and executed test plans and unit tests for new product functionality at each development milestone.
- Managed interaction and compatibility with third-party software and hardware (e.g. Google Chrome, Android phones).
- Developed programs to quantify bug data and provide reports to managers.
- Wrote data scraper to tabulate reviews from the iTunes Store for [REDACTED] apps.

## PORTFOLIO

**Minimaxir** (<http://minimaxir.com>)

Oct 2011 –

Present

- Used Python, R, ggplot2, and Apache Spark to data mine and visualize big data from many sources, demonstrated in such projects as:
  - [Predicting/Mapping Arrest Types in San Francisco with LightGBM, R, ggplot2](#)
  - [Playing with 80 Million Amazon Product Review Ratings Using Apache Spark](#)
  - [Visualizing Clusters of Clickbait Headlines Using Spark, Word2vec, and Plotly](#)
  - [Visualizing How Developers Rate Their Own Programming Skills](#)
- Wrote articles which were cited by the [Washington Post](#) and [BuzzFeed](#), and have cumulatively generated hundreds of thousands of unique pageviews.
- Open-sourced the statistical code used in the blog posts with Jupyter/IPython and R Notebooks for creating perfectly-reproducible analyses.

**GitHub** (<http://github.com/minimaxir>)

Aug 2012 –

Present

- Developed many open-source tools to help facilitate the ETL process and simplify data analysis, including:
  - [Facebook Page Post Scraper](#) – 1,035+ Stars, 248+ Forks
    - Wrote Python scripts for scraping all Posts and Comments from any public Facebook Page and outputting results as a CSV file for data analysis.
    - Used by data journalists and researchers.
  - [Reddit Data with BigQuery](#) – 78+ Stars, 17+ Forks
    - Wrote R code describing how to interface with Google BigQuery and the public hundreds-of-gigabytes of Reddit data therein, and published analysis results as a Jupyter Notebook.

## EDUCATION

**Carnegie Mellon University** – Bachelor of Science – Pittsburgh, PA

Sep 2008 –

May 2012

- GPA: 3.78 / 4.00 (Graduated with University Honors)
- Major: Computing and Information Technology (GPA: 3.78 / 4.00)
- Minor: Statistics (GPA: 4.00 / 4.00)

## RELEVANT SKILLS / PROGRAMMING LANGUAGES

R, Python, SQL/PostgreSQL, Data Visualization, ggplot2, scikit-learn, Apache Spark, TensorFlow, Keras, JavaScript, git