

RAY BLANDFORD

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EDUCATION

Virginia Tech

Expected Dec 2017

BS in Business IT
Computer Science Minor
International Business Minor
GPA: 3.4

Google

Expected Dec 2017

Android Developer Nanodegree
Udacity.com

Semester at Sea

Jan 2016 - Apr 2016

Education Abroad Program
Traveled to 11 countries throughout Asia, Africa, and Europe to gain perspective on culture and International Business.

EXPERIENCE

Appian

Reston, VA
May 2017 - Aug 2017

Software Engineering Intern, Frontend

- Reengineered existing native mobile app components in React Native to increase average feature velocity from a month to under a week.
- Increased test readability and efficiency using Jest snapshots.
- Contributed to the React Native open source project.

Appian

Reston, VA
May 2016 - Aug 2016

Software Engineering Intern, Android

- Triggered push notification based on JSON response using Android's AsyncTask and NotificationCompat libraries, with support for internationalization.
- Developed Gradle build-scripts to compile metadata in JSON format.
- Improved end-user adoption rate by automating enterprise upgrades.

Visa

Foster City, CA
May 2015 - Aug 2015

Technology Business Management Intern

- Developed visualization dashboard for driving business decisions.
- trblandford4.github.io — Implemented Bootstrap components to create website for final presentation to executive team.

PROJECTS

Jul 2017

React Native Mobile Vision

- Implemented Android bridged component for Google's Mobile Vision API.
- Granted device camera access to find human faces in photos, videos, or live streams, and detect subject's emotion for sentiment analysis.

Jul 2017

Appian Machine Learning

- Developed machine learning component for sentiment analysis using Stanford's Core Natural Language Processing and Aylien libraries.
- Supported Web and Mobile user environments.

Mar 2017

Mind Palace VR (Play Store) (Github)

- 1st Place for Best Product in Virtual Reality Challenge judged by Google.
- Created 3D Photo Viewing experience for Android with Unity.
- Built custom Unity native plugin to access the most recent gallery photos.
- Designed intuitive animation to prevent VR motion sickness.

Feb 2017

Carmax Personality Match (Demo) (Github)

- Created a progressive web application that delivers vehicle recommendations.
- Designed algorithm to generate personality type from user input.
- Developed custom dashboard user interface based on authenticated user privileges.

SKILLS

Mobile

Android, Java, Gradle, React Native, Jest, Unity, Material Design

Web

React, Redux, Materialize, HTML, CSS, JavaScript (ES6), PHP, MySQL