Charlie Albright

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Experience

Lead Roku Developer   *Bottle Rocket Studios, 12/2016 - Present*
- Developed new features and enhancements using the Roku SDK for our TV Everywhere platform.
- Implemented a dynamic Analytics system that can switch between platforms (Google, Omniture) based on a specific client's needs. Cut down development time by weeks.
- Successfully published two Roku apps for clients under extremely short deadlines.

Android Developer   *Bottle Rocket Studios, 05/2015 - Present*
- Tackled new feature implementations and resolved bugs on the Android framework for our TV Everywhere platform.
- Worked extensively on features such as Chromecast, video streaming, Runtime Permissions, 3rd party analytics, and more.
- Wrote thorough, highly-praised documentation on several internal features for reference by project managers, clients, and other developers.
- Began as an intern in the summer of 2015, then worked part time through my Senior year and went full time in June of 2016.

Projects and Publications

Asthma Coach   *Southern Methodist University, Spring 2016*
- Developed an Android application geared towards children that could determine lung function using the device's microphone to record a custom-designed vortex whistle.

Autonomous Water Remediation   *Southern Methodist Univ., 2013-2015*
- Worked extensively on the development an autonomous robotics system that could locate remote water sources, detect pH and salinity levels of the water, and then treat accordingly. Developed with Arduino and Java and integrated with a Freshman design course.

Forward Error Correction in passive UHF Gen2 Communications   *2015*
Charlie A. Albright; Spencer A. Kaiser; Luke W. Oglesbee; Daniel W. Engels; *2015 IEEE International Conference on RFID)*; Pages 17-24.

Education

Southern Methodist University   *May 2016 Graduate*
- B.S. in Computer Science
- Minor in Economics
- SMU President's Scholar (Full Scholarship)
- 3.7 GPA (Major)

Skills

Languages and Frameworks
- Android
- Java
- Roku BrightScript
- Roku SceneGraph
- HTML5
- CSS3
- JavaScript
- MySQL
- PHP
- Python
- Node.js
- Sass
- Gulp
- Express
- MongoDB

Development Tools
- Android Studio
- Atom
- Git/GitHub
- Gradle
- JIRA
- Bitbucket
- Bash
- Confluence
- Artifactory
- Jenkins
- SourceTree
- Adobe Omniture
- Google Analytics
- Crashlytics/Fabric
- Postman

Applications and Systems
- MacOS
- Linux
- Windows
- Office Suite
- Slack
- HipChat

Honors
BSA Eagle Scout, 2011
National Merit Finalist