Alexander Kohler

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State College, PA, 16803   (570) 916-7682

EDUCATION

Bachelor of Science in Computer Science

The Pennsylvania State University, University Park, PA

Anticipated Graduation: May 2016   GPA: **3.37**/4.00

EXPERIENCE

Software Engineering Intern   **May 2015 – August 2015**

Lutron Electronics, Coopersburg, PA

- Rewrote existing Caséta Wireless mobile application with Xamarin platform to evaluate sharing a single C# codebase across iOS, Android, and Windows Phone
- Worked with one other intern to implement integration between a third party device and the Caséta Smart Bridge/mobile application

Undergraduate Research   **February 2015 - May 2015**

Design Analysis Technology Advancement Laboratory, Penn State University

- Developed proof of concept facial recognition application via the Microsoft Kinect Facial recognition API and Weka Machine Learning library.
- Developed adjacency matrix generator that visually renders results in Gephi

Quality Assurance Engineer   **May 2014 - December 2014**

Oracle Primavera, Bala Cynwyd, PA

- Collaborated with other members of the database team to test a WebLogic based upgrade tool for Primavera Prime using Agile Methodologies
- Developed test plans and wrote unit tests around various features of Primavera Prime's database booting process including new object detection, trigger additions, schema installation/upgrade, etc.
- Created XSL transforms to generate Junit tests for schema comparison integration tests
- Gained experience in technologies such as Ant, Jenkins/Hudson, and Weblogic

PERSONAL PROJECTS

Who Was CNS 5-3-1 Calculator   **Available on Google Play Store**

- Tool for gym goers following a 5-3-1 programming scheme that projects a day-to-day linear progression based on the user's starting date and starting weights for individual lifts (i.e. bench, squat, deadlift) then displays the projection in both table and individual view format
- Features SQLite backend, dynamic image views, and manages metrics with Google Analytics
- Android/iOS version work log, progress pictures and source available on GitHub
- Over 1500 Google Play Store downloads

Minigolfer   **Under development**

- Android application for keeping track of miniature golf scores (source available on GitHub)

Online Portfolio

- Responsive single page application hosted at Alexanderkohler.me (source available on GitHub)

SKILLS

Java, C#, Golang, GIT, Objective-C, Android/iOS development, Linux, Vim, Xcode, Oracle/SQLite databases, PLSQL/SQL

OTHER

GitHub username: aok5326   Google Play Developer Username: Alex Kohler