**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 3000 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