Alexander Kohler

2704 Bethlehem Fields Way   http://alexkohler.github.io   alexjohnkohler@gmail.com
Bethlehem, PA, 18015   (570) 916-7682

EDUCATION

Bachelor of Science in Computer Science

Minor in Mathematics

The Pennsylvania State University, University Park, PA

GPA: **3.40**/4.00

EXPERIENCE

Project Software Engineer   **July 2016 – Present**

Lutron Electronics, Coopersburg, PA

- Aided in server development for various feature integrations with the Caséta and Connect Smart Bridges such as Sonos, Nest Intruder, and HomeKit
- Implemented encryption for bridge logs
- Designed and developed tool to template out boilerplate in our protocol implementation

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.

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

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
- Over 3000 Google Play Store downloads

Online Portfolio

- Responsive single page application hosted at http://alexkohler.github.io

SKILLS

Go, Bash, Java, Python, Linux, Vim

OTHER

GitHub username: alexkohler   Google Play Developer Username: Alex Kohler