

# Alexander Kohler

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<http://alexkohler.github.io>

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## 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

- 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