# Alexander Wu

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## EDUCATION

Kansas State University, Manhattan, KS                       December 2015
B.S. in Mechanical Engineering                                 GPA: 3.4 / 4.0
Minors: Physics, Computer Science

## EXPERIENCE

**Kroger Digital**                                          June 2017 - Present
**Software Design Engineer in Test**
- Refactored existing automation code to reduce test flakiness to move testing into a multi-browser testing environment.
- Leveraged existing code to make a test harness application using React / Node Express to expedite application development.
- Utilized data-driven testing for internal API development

**Xpanxion**                                               May 2016 – June 2017
**Software Design Engineer in Test**
- Managed and delegated tasks for offshore test automation team
- Developed Java selenium automated testing framework utilizing BDD practices with cucumber java
- Familiar with Atlassian tool suite (Confluence, Jira, BitBucket)
- Designed testing automation framework in C# using .NET UI Automation libraries.
- Designed source code / unit test auto generation tool in C# for locating UI Elements.
- Improved existing testing automation framework increasing test pass rates from ~60% to ~95%.
- Refactored multiple existing testing projects into single framework to reduce required technology footprint.

**GE Aviation**                                            June 2013 – May 2016
**Software Engineering Intern**
- Developed / implemented automation testing framework for Flight Management System (FMS) software.
- Designed user intuitive API for use by test developers
- Implemented unit tests to check updates in testing tool.

**Systems Engineering Co-Op / Part-Time / Intern**
- Performed Automated / Manual Testing on Flight Management System software for B737, KC-46, C130J
- Designed Requirement-Based Tests for FMS software. Developed unit tests in Visual Basic
- Performed regular regression testing for legacy auto tests.
- Worked full-time (40+ hrs / wk) during summer / winter sessions and part-time (15+ hrs / wk) during school semesters.

## PROJECTS

Github Account: https://github.com/alex606

Hack K-State Hackathon Competition                              May 2016
https://github.com/alex606/Hack-a-Thon-2016.git
Developed virtual reality house and piano with an oculus rift SDK2 and leap motion sensor

Game Jam Competitions
https://github.com/teammeeseeks/liveordiabetes                 March 2016
https://github.com/alex606/HackTheHacker.git                   March 2015
Developed video game with a 4 person team in a 45 hour game development competition

## LANGUAGE SKILLS

Proficient: C#, Java, Node Js
Familiar: C, C++, HTML, CSS, JavaScript, Python