

# Alexander Wu

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785.207.6250

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## EDUCATION

Kansas State University, Manhattan, KS  
B.S. in Mechanical Engineering  
Minors: Physics, Computer Science

December 2015  
GPA: 3.4 / 4.0

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## EXPERIENCE

### Xpanxion

May 2016 – Present

#### 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.

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## 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

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## LANGUAGE SKILLS

Proficient: C#, Java

Familiar: C, C++, HTML, CSS, JavaScript, Python