

# Andrew Lee

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## Education

2014-09 -  
Present

### University of Washington (Seattle)

- BA in Mathematics
  - Notable Courses:** Practical Algorithms, Introduction to AI, Programming Languages and Implementation, Relational Databases



## Experience

2018-06 -  
Current

### Software Engineer in Test

*Moxiworks*

#### Responsibilities:

- Taught and assisted other test engineers on how to write cleaner automation
- Moved our previous automation framework into a module-based one reducing our codebase by 25% and promoted script reuse, which required fewer script being run for regression
- Increased automation coverage with the above methodology by 50%, which allowed us to run more automated regression instead of a manual one
- Migrated all deprecated C# automation into Groovy scripts in Katalon
- Experience with scrum projects and sprints
- Designed, deployed, and implemented our mobile automation testing within Katalon, using the Selenium and Appium frameworks, which allowed us to test physical and virtual iOS and Android devices
- Scheduled our scripts to Jenkins to allow us to test time sensitive functionality overnight
- One of the testers responsible for deploying current builds into the test environment
- Communicated with other testers and developers to create service endpoints and thereby reduce manual testing work



## Additional Activities

### Side Projects

#### TableRounder.java:

- Reads a table of numbers and returns a new CSV file with the entries in the table rounded such that the column and row values are equal to the correct sum by modelling it as a network flow problem

#### TeamModeler.java:

- Fits a model of NFL defensive and offensive lineup stats that best fits a collection of NFL game data using binary and ternary search, and coordinate descent

#### Calc.rb:

- A scientific calculator implemented in Ruby using a recursive descent parser

#### Snake.js:

- Implemented the classic snake game

#### Adlee96\_farmer\_fox\_grain\_etc.py:

- Implemented the classic farmer, fox, and grain riddle in Python.



## Skills

SQL Programming



Java Programming



Groovy Programming



JavaScript Programming



Ruby Programming



Agile Methodology



Sprint Planning



## Software

Selenium WebDriver



Katalon



PostgreSQL



Confluence



JIRA



Appium



Jenkins

