

# Andrew Paulson

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## Experience

### Paulson Training Programs, Inc. (no relation)

Nov. 2014 - Feb. 2016

Junior Developer

Chester, CT

- Designed and implemented integration testing suite using Selenium WebDriver
- Oversaw app QA throughout the development process
- Responsible for adding and maintaining content in company's new training app

### Ameson Institute of Foreign Languages

Oct. 2013 - July 2014

Study Abroad Consultant and English Teacher

Nanjing, China

- Coached college students from application to matriculation at top 10 US business schools
- Worked in a team of 3 to develop a new curriculum for middle school students
- Created a new English elective course focusing on talk shows

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## Skills

Ruby

Javascript

React.js

jQuery

HTML

Ruby on Rails

Flux

SQL

CSS

Git

Python

web2py

Mercurial

TDD

Selenium WebDriver

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## Projects

### BounceBack | *Full Stack App* | [Live](#) | [GitHub](#)

Realtime messaging app to connect job seekers and companies. Features include:

- Anonymous guest login implemented using a custom controller
- Fuzzy search using raw SQL query and regular expressions generated from user input
- Front-end built using React with Flux architecture to guarantee one way data flow

### SKTest: SkillBuilder Test Suite | *Python Test Suite*

Integration testing suite built in Python.

- Defines a custom testing DSL, allowing non-technical users to write tests as CSV files
- Performs automated integration testing using the Selenium WebDriver library

### Snails | *Ruby Web Framework* | [GitHub](#)

Fully functional web framework inspired by Rails. Open source project started with 3 colleagues.

- Can be used to create a fully functional web app
- Mirrors Rails' ActiveRecord, routing and security functionality

### MazeSolver | *JavaScript Browser App* | [Live](#) | [GitHub](#)

Visualization of maze generation and maze solving algorithms.

- Generates mazes in real time using random Prim's algorithm
- Solves mazes with A\* algorithm implemented with hand made Fibonacci heap

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## Education

### App Academy

March 2016 - May 2016

Most competitive web development course in the US

San Francisco, CA

### Northwestern University

Sept. 2009 - June 2013

Bachelor of Arts in Mathematics and Art Theory and Practice

Evanston, IL

Dean's List, Graduated with Honors

