

# ALEX SHADLEY

<http://alexshadley.com>

## SOFTWARE DEVELOPER

(918) 949 0781 – [ashadley@ku.edu](mailto:ashadley@ku.edu)

### LANGUAGES

(top-to-bottom order of proficiency)

- Python
- Java
- SQL
- Ruby
- C++
- Lua
- JavaScript
- Julia

### RELEVANT SKILLS & TECHNOLOGIES

- Git
- Flask
- Ruby on Rails
- Java Servlets
- Docker
- Jenkins
- Linux
- JQuery
- SQLite
- PostgreSQL
- RESTful web architectures

### EMPLOYMENT

#### BK Technologies

November 2017 - Present

#### SOFTWARE INTERN

- Extended an existing automated testing suite alongside a team of interns
- Maintained Java applications and constructed automated build pipelines using Gradle, Docker, and Jenkins

#### Principal Financial Group

Summer 2017

#### SOFTWARE INTERN

- Built full stack applications, complete with webservice, RESTful, and database components
- Worked with a team of developers in a full Agile environment
- Participated in a week-long code jam to produce a polished and functional web application with Python, Flask, and SQLite under strict time constraints

### EDUCATION

#### University of Kansas

2016 – Present

#### COMPUTER SCIENCE BS

- Expected Graduation May 2020
- Honors Student, National Merit Scholar, GPA 3.88/4.0

### PROJECTS & EXPERIENCE

#### Special Topics

Fall 2017

#### PYTHON AND C++ NEURAL NETWORK

- Designed and implemented an object-oriented neural network from scratch in Python capable of simulating networks of arbitrary topology
- Ported design to C++ and optimized with linear algebra
- Authored a paper describing design decisions and mathematical underpinnings

#### Jayhacks 2017

February 2017

#### SECOND PLACE TEAM

- Collaborated with a team of programmers to produce a fully featured and engaging game with Lua and Love2d, complete with music and graphics
- Demonstrated the final product to competition judges and peers

#### Kansas City Federal Reserve Code-A-Thon

November 2016

#### FIRST PLACE TEAM

- Used HTML, CSS, and JavaScript to build a web-based application
- Worked with a team of developers to produce a stable, functional and production-ready product in the span of a weekend
- Presented project live in front of judging panel

