

Joseph Wilson

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Technical Skills

Languages: Java, Python, Groovy

Frameworks: Spring Boot, Flask, Grails

Relational Databases: MySQL, H2

Version Control: Git

Markup/Style: html, css

Unit Testing: Junit

Cloud Deployment: Heroku

Work Experience

Object Computing Inc. (Intern)

July 2018 - Present

- Learned from experts in the field on a part time basis
- Gained exposure to unit testing, Groovy, Grails, Micronaut, React and design principles

National Archives and Records Administration

March 2015 - Present

- Entered metadata from paper records into database, earning awards for highest productivity at this task for 2016 and 2017
- Relocated tens of thousands of cubic feet of records, earning 2017 award for highest productivity.

Project Experience

- **Spring Boot** - several full stack MVC web applications for LaunchCode's LC101
- **Grails** - MVC web application for inventory management
- **Flask** - Built "Fed Clock" a decimal time calculator to help timekeepers at the national archives avoid errors and save time. Fully deployed with Heroku
- **Robotics** - 3-D printed robotic arm and hand built for eHacks 2018 hackathon. Fingers actuate via strings pulled by servo motors which are controlled by an Arduino board

Education

LaunchCode (2018)

- **LC101** - Learned full-stack web development with Flask and Spring Boot
- **Liftoff** - Practiced agile development while developing projects with skills gained in LC101

Southwestern Illinois College - Computer Science (2017)

- Learned the basics of programming and built several desktop applications with Java