

JONATHAN A. SADDLER, PH. D.

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Education

Ph. D. in Computer Science, University of Nebraska, Lincoln, NE. Graduated May 2020.

Master of Science in Computer Science, University of Nebraska, Lincoln, NE. August 2016.

(New!) Spring Core Training, TechData/ExitCertified US, Instructor-Led Online. December 2021.

Computing Skills

Proficient Languages: Many OOP languages, Java 8/11, C#, Python 3, C++, TypeScript/JavaScript

Web Technologies: Spring Boot, Spring Web MVC, .NET MVC, ReactJS, Django, AWS Lambda

Data Management: JPA & JDBC, Hibernate, .NET Entity, Spring Data Rest, & Django Rest Fmwks.

See my GitHub Repos at <https://github.com/jazad136>, updated weekly

Certifications

VMWare Spring Certified Professional 2021

(Certified Dec. 2021)

Certified in Core Aspects of Spring Core, SpringBoot, REST, Security, Actuator and Test Suites

Relevant Computing Experience

Teaching Assistant Professor, East Carolina University

Greenville, NC, August 2020 – May 2021

Introduce OO programming concepts via self-made, hands-on, Java, Python, & C++ projects.

Lead a 15-week senior course on hands-on team-based product development in JavaScript/Kotlin apps.

Ph.D. Level Software Developer Intern, Workday, Inc.

Boulder, CO, May 2018 – August 2018

Extend tenant assignment algorithms by implementing CSP solver techniques in Java 8.

Research Assistant, ESQuaReD Softw. Eng. Lab & SERESL Eyetracking Lab

Lincoln, NE, August 2013 – May 2020

Evaluate and innovate test generation strategies for automated testing of Java desktop applications

Implement techniques for combining and analyzing browser and IDE gaze data using Java and Python

Publish papers on cross-browser developer navigation, including two at top conferences in HCI