

Jonathan A. Saddler, Ph. D.

G-3100 Miller Road, Flint, MI 48507 • Phone: (252) 916-2584

Education

Ph. D. Degree, Computer Science, Univ. of Nebraska, Lincoln • Lincoln, NE • 2021

Master of Science in Computer Science, Univ. of Nebraska, Lincoln • Lincoln, NE • 2016

Bachelor of Arts in Computer Science, DePauw University • Greencastle, IN • 2009

Objective

Focused, determined Ph. D. researcher with a keen eye for taking program speed to the next level. With a regimented yet brave approach, works with teams to help groups juggle many tasks in parallel, and is not afraid to plot steps on whiteboard. Always working on ways to document best practices of software engineering and testing. Expert at working to help find common ground, and helping groups to achieve a common goal.

Skills

Languages: Java, C++, Python, C#, JavaFX, ReactJS, MySQL, FXML, RScript+Dplyr

Web: JavaScript, NodeJS, Bootstrap, JQuery, Microsoft MVC Razor Web, Django, ASP.NET

Deployment: Apache Ant and Maven, Gradle, GNU Make, CMake, ESLint, Checkstyle

Data Management: MySQL, MSSQL Server, Entity Framework, XSD, Java SAX, Java DOM

Collaboration: Jira Server Admin, Confluence Admin, GitLab Admin, GitHub, CodeClimate

Work Experience

Teaching Assistant Professor of Computer Science

Aug. 2020 – Aug. 2021

East Carolina University

- Teach Java and Python curriculum to first-and-second-year undergraduates
- Administrate a 15-week senior course employing a full semester of product development principles

Ph. D. Research Intern

May 2018 – Aug. 2018

Workday, Inc.

- Research automated solutions to help solve network load and workforce scheduling problems

Graduate Research Assistant

Aug. 2013 – May 2021

University of Nebraska, Lincoln

- Publish work highlighting fast user-friendly solutions for graphical user interface testing
- Build large-scale software models for autonomous medical devices, and analyze potential failures