

Michael Nelson
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EDUCATION

Michigan State University, East Lansing, MI Aug 2015 – May 2018
M.A., Media and Information

North Park University, Chicago, IL Aug 2007 – May 2011
B.A., History

EXPERIENCE

Senior Software Engineer Feb 2020 –
The Washington Post

- Implementing features for video editing and delivery (Spring Boot, Java, React.js)
- Planning and delivering items on the video product roadmap of ArcXP

Software Engineer II Aug 2017 – Feb 2020
GP Strategies Corporation

- Modernized traditional Java web app (Spring, Amazon ECS, Terraform, Docker)
- Provided operational support (Datadog, Splunk, Amazon CloudWatch, ELK, JMX)

Front End Developer Feb 2017 – Aug 2017
Matrix Center for Digital Humanities and Social Sciences

- Worked on the peer-review mechanism of an open access academic journal
- Developed WordPress theming (PHP, JavaScript, HTML, CSS) from design comps

Full Stack Developer Jan 2017 – Aug 2017
School of Social Work, Michigan State University

- Designed, developed, and deployed an app for data upload, processing, and visualization
- Programmed behavior in Python (Flask) and JavaScript (React.js, D3.js)

Research Assistant Sep 2015 – Aug 2017
Department of Advertising and Public Relations, Michigan State University

- Prepared and analyzed data with Python, R, and IBM SPSS
- Implemented psychological research protocols as JavaScript applications

Web Accessibility/Usability Intern Sep 2015 – May 2016
College of Arts and Letters, Michigan State University

- Remediated websites and LMS courseware for WCAG 2.0 compliance
- Reported on usability and accessibility to academic technology leaders in the College

CERTIFICATIONS

Certified Scrum Master (CSM), Scrum Inc. May 2019

SKILLS

- Operating cloud native applications and infrastructure on AWS
- Developing software with Java, TypeScript, JavaScript, Python, Solidity, Scala, C++
- Modeling and utilizing relational and non-relational data (PostgreSQL, MongoDB)