ALEXANDER RICHARDS

FULL STACK SOFTWARE ENGINEER

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EDUCATION

University of Wisconsin - Madison   Fall 2017 - Spring 2020
B.S. Computer Science, Political Science 2020

Marquette University   Fall 2015 - Winter 2015
Data Structures and Engineering Credits

EMPLOYMENT

Flextrade, *Full Stack Software Engineer*, Milwaukee, WI   June 2022 - Current
- Worked closely with Hedge Fund clients on OMS software features and issue resolution.
- Enhanced documentation and efficiency via Scala-based custom coding.
- Managed database with MySQL and operated systems on Linux.
- Maintained strong system connectivity through networking expertise.

Walters Buildings, *Full Stack Software Engineer*, Allenton, WI   June 2020 - June 2022
- Led development and maintenance of a business application, boosting operational efficiency.
- Modernized construction industry through MySQL, Azure, and .Net architecture.
- Improved estimate accuracy via an internal Java Swing application utilizing TensorFlow.

Division of Information Technology | UW - Madison, *Software Trainer*,   Oct. 2018 - May
Madison, WI   2020
- Instructed 20+ students per class on Java, Python, and Excel Formula.
- Halved class and prep time through a lesson webpage with an integrated IDE.

Northwestern Mutual, *Software Engineer Intern*, Milwaukee, WI   June 2016 - Aug. 2018
- Managed data warehouses and created visualizations with PowerBI and AWS.
- Spearheaded initial with ML to research on predictive insurance trends using Python, TensorFlow, and Sci-Kit.
- Ensured testing and cloud continuity with Kubernetes, Docker, and AWS.

SKILLS

TECHNICAL SKILLS: Java, SQL, Python, C#, JavaScript, C++, MySQL, PowerBI, Docker, AWS, Azure Dev Ops, Kubernetes, Tensorflow, Scala
SOFT SKILLS: Interpersonal Skills, Strong Communication, Problem-Solving, Project Management