KALEB SWARTZ

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EDUCATION

Miami University (College of Engineering and Computing) *Oxford, OH*
Bachelor of Science in Computer Science
- Graduation: May 2019
- GPA: 3.45/4.0
- Dean's List Member: Fall 2015, Spring 2017, Fall 2018, Spring 2019

SKILLS

Proficient
- Python, JS (Node / Angular), Java, AWS, Git, Unix

Learning About
C#, C++, HTML/CSS, SQL

EXPERIENCE

Information and Digital Solutions Analyst *July 2019 – Present*
Eli Lilly and Company
- Developing Python ETL workflow with AWS Glue and Redshift to transform 100,000+ rows of data for 100s of data sets for Global Patient Safety Analytics project
- Application Support Lead for MosaicPV, Lilly's first fully cloud based application. Continually troubleshoot issues in AWS, plan and deploy new releases, develop and deploy PostgreSQL data changes
- Developed an Angular/Node web application POC to allow for statisticians to interact with Global Patient Safety Analytics data
- Incorporated C# multithreading in Global Literature Screening Database application to increase speed of scientific literature XML analysis by ~50%

Software Engineering Intern *June 2018 – August 2018*
Brookhaven National Laboratory
- Worked in the National Synchrotron Light Source II facility to integrate X-ray simulation software Sirepo with Python data collection library Bluesky
- Implementation resulted in the ability for a beam-line experiment to be fully simulated over time with tunable optic parameters

Undergraduate Research / Teaching Assistant August *2017 – May 2019*
Miami University
- Collaborated with a professor to study the correlation between a pre-college analytical test and programming proficiency. Also worked as a teaching assistant for C++/Java courses.

SIDE PROJECTS

Holy of Holies
- Developing an Angular web application using MongoDB and Express to intuitively read the Bible

NFL-statistic-book
- Text-based Python application that pulls data from the MySportsFeed API

View all Projects at kalebswartz.me