

KALEB SWARTZ
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EDUCATION

Miami University (College of Engineering and Computing)

Oxford, OH

Bachelor of Science in Computer Science

- Expected Graduation: May 2019
 - GPA 3.31/4.0
 - Dean's List Member Fall 2015 and Spring 2017
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EXPERIENCE

Computational Science Intern

June 2018 – August 2018

Brookhaven National Laboratory

- Worked in the National Synchrotron Light Source II facility to allow for integration of X-ray simulation software Sirepo with Python data collection library Bluesky
 - Learned various Python data science collection libraries (matplotlib, numpy, scipy, pandas)
 - Work can be viewed at: <https://github.com/NSLS-II/summer-interns>
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Undergraduate Research Assistant

May 2018 – August 2018

Miami University

- Worked remotely with Dr. Ann Sobel to study the correlation between a pre-college analytical test and programming proficiency
 - Results can be viewed here:
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Teaching Assistant

August 2017 - Present

Miami University (Programming for Engineers and Scientists / Intro to Software Engineering)

- Help students with semester-long Java project, hold weekly office hours and review sessions
 - Create answer keys for programming assignments as well as grade student submissions
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SKILLS

Proficient

- Java, Python, C++, Git, command line

Knowledge of

C#, C, HTML/CSS, SQL

PROJECTS

NFL-statistic-book

- Text-based Python application that pulls data from the MySportsFeed API to get roster, schedule, and player information on any NFL team specified by the user

Voting Project

- Java application that parses data from given CSV files containing voting records from the 2016 election and displays such data in a Java Swing GUI based on selected counties in Ohio

Stahr Wars

- C# Client/Server game that allows for multiple players to connect to the same universe, such players battle against one another to be the last survivor – game includes black holes, planets, stars etc.

All projects and more more can be seen at: github.com/kalebswartz7