MATTHEW KIRSHY

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Education

University at Buffalo - Senior   **Expected Graduation Date: Spring '19**
Computer Science Major with a Data Intensive Computing Certificate
- Member of UB ACM

Erie Community College   Graduated Spring '16
Associates Degree in General Studies
- Computer Science focus

Technical Skills:

- Professional experience with R & Shiny
- 2+ years academic experience with C++ & Python
- Professional experience with MySql & Oracle
- Experience with Spark & Mapreduce
- Knowledge of JavaScript & Java
- Experience with Docker

Course Work:

- Distributed Systems
- Digital Systems
- Computer Organization
- Data-Intensive Computing
- Differential Equations
- Computational Linguistics

Professional Experience

Data Science Internship at Advance Documenting Imaging
Intern   05/2018 - 08/2018
- Designed and developed a dynamic website allowing visualization of Quality Assurance data
- Backend design and implementation in **R** and **MySql** allowing real time access to view, edit, and filter 1TB+ analytics tables previously unavailable for accessing due to size
- Use of Agile/Scrum development methodology to plan project

Kent Custom Cases   07/2016 - 04/2017
IT Director
- Oversee and administer company website, platforms, technology, and strategies
- Identify information systems enhancements that improves & support current and future business needs
- Enhanced website performance and expand website by 75% that resulted in a 6% market share growth

Projects

• **Tweet Sentiment Analysis:** Analyzing a large corpus of tweets for sentiment score built in R and displaying a timeline of said tweets with timestamp, sentiment score, and buzz words in an easy to understand and navigate graph. It is also able to filter the timeline between any two dates you have tweets for and the sentiment graph will automatically update its analysis for the specified timeline.

• **Google Maps with Weather:** A functional Google Maps & Directions app with weather along the route built in R using Shiny connected to a MySql database that would store previous queried directions and pull them to save on API queries.

Academic Experience

TA for Software Engineering - CSE 442   Fall '18
- Managing student engineering teams using Agile/Scrum development methodology
- Serving as Product Owner keeping teams focused on sprint goals

TA for Digital Systems - CSE 241   Spring '18
- Conducted interactive discussions on a weekly basis with 100+ students
- Assisting them through question clarification regarding homework, tests, and labs in the classroom and online

Additional Experience

Bacchus Restaurant   02/2010 - 09/2014
Saute Cook
- **2nd place in Nickel City Chef Competition for developing 3 dishes in 1 hr around secret ingredient in 2013**
- Creating artistic and delicious dishes for menu placement and specials cards for 200+ dinner covers a night