MATTHEW KIRSHY

mjkirshy.github.io • mjkirshy@buffalo.edu • 716-553-7092

Education

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

Professional Experience

Software Engineering at Advance Documenting Imaging   Summer '18
Intern
- Designed and developed a dynamic web app 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 decreasing load times by 400% - 500%
- Use of Agile/Scrum development methodology to plan project

Kent Custom Cases   07/2016 - 04/2017
IT Associate
- 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:** A dynamic web app using computational linguistics to analyze a large corpus of tweets for sentiment and polarity score built in R for backend and Shiny for frontend and displaying a large volume of data correlating to a user interaction

- **Google Maps with Weather:** A functional Google Maps & Directions web app displaying weather along the directional route built using R for the backend and using Shiny for the frontend 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

Technical Skills

Front-end: HTML/CSS, ES6 JavaScript, Shiny, React
Back-end: C++, Java, Python, R, Docker, Node.js, Spark, Mapreduce
Database: Mysql, Oracle
Project Management: Agile, SCRUM
Familiar Environments: VS Code, HeidiSql, MySql Workbench, RStudio, Docker, Github
Tools: Git, Visual Studio

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