

Mahir Piyarali

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EDUCATION

University of Michigan, Ann Arbor, MI

May 2022

Bachelor of Science in Computer Science

Bachelor of Science in Data Science

GPA: 3.1/4.0

Coursework: Data Structures and Algorithms, Applied Regression Analysis, Introduction to Machine Learning, Introduction to Computer Organization, Web Systems

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, SQL, R, HTML/CSS, GoLang

Technologies: Flask, React, AWS, NoSQL, Docker, Kubernetes, Hadoop

Tools: Git, MySQL/PostgreSQL, F5 BIG-IP/nginx

Interests: Software Development, Distributed Systems, Cloud Computing, Web Development, PaaS/IaaS/SaaS

EXPERIENCE

Blog Writer and Co-Founder, Balk the Talk

July 2019 – Present

- Co-founded baseball blog with a focus on developing content through the use of sabermetric statistics
- Mined sabermetric baseball statistics from Baseball Reference and FanGraphs; Analyzed discrepancies between on-field performance and statistical trends
- Used data to draw conclusions on team performances in the MLB; Built a loyal base of readers and Twitter followers

Research Assistant, University of Michigan School of Public Health

October 2019 – May 2020

- Developed a data visualization model to support a global study on seasonal infectious diseases
- Used OCR software on historical medical records and imported records into R to perform time-series analysis on the seasonal spread of Gonorrhea and Typhus dating back to the 1960s; Visualized the resulting model in Python
- The tool was used to draw inferences on potential causes of seasonality, such as weather or current events

Data Journalist Shadow, Seattle Times

Spring 2018

- Authored an article on the potential locations of Amazon's HQ2 titled "Where Are They Headed Next?"
- Interviewed current Amazon employees and gathered data on prospective cities; Compared the pros and cons of a given location based off of Amazon's priorities and what current employees were looking for in a host city
- Created a web-based story in CSS and HTML; Added graphics and interactive buttons to allow the reader to play around with the different location options and make their own conclusions based on the data collected and presented

VOLUNTEER EXPERIENCE

Editor-in-Chief, The Puma Press at University Preparatory Academy

September 2016 – May 2018

- Led team of 16 reporters through 7 issues per year for high school newspaper; Helped reporters brainstorm, write and edit stories about the school; Used InDesign and Illustrator to create graphics and layout page spreads
- Won two NSPA Pacemaker Awards for best 16-page high school newspaper in the United States; Selected to give a TEDx Talk following an editorial calling for unity during the 2016 election

Classroom Assistant, Experimental Education Unit at the University of Washington.

Summer 2016 – Summer 2019

- Volunteered as a summertime classroom assistant at preschool for students with special needs
- Assisted students during lesson plans. Chaperoned students on field trips and during recess; Helped parents and families with daily activities with their child during the day