Omar Choudhry

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Education

University of Illinois at Urbana-Champaign, IL   **August 2014 – May 2018**

*Bachelor of Science in **Statistics** with minors in **Computer Science and Informatics***   **GPA: 3.62/4.00 Dean's List**

Coursework: Applied Machine Learning, Advanced Data Science, Data Structures, Applied Methods of Statistics, Applied Regression and Design, Text Information Systems, Numerical Methods, Advanced Data Analysis, Data Management

Experience

AbbVie Pharmaceuticals   **Champaign, IL**

Rapid Application Development Intern   **March 2017 – Present**

- Created a dashboard to display and navigate clinical trial data for the medical directories team
- Designed dynamic single page applications for various areas within the company including pharmacovigilance
- Utilized Angular.js and HTML+CSS, in addition to charting libraries such as D3.js, Fusioncharts.js, and HighCharts.js

StatCom UIUC   **Champaign, IL**

Project Consultant   **December 2016 – Present**

- Managed a group of 5 data analysts to complete an inventory tracking project for the Wesley Food Pantry
- Acted as the liaison between the analysts and the client, communicating requirements to ensure positive results
- Performed data analysis utilizing advanced statistical techniques to complete a project for a local park district

Projects

Oak Brook Park District Survey Analysis   **January 2017 - April 2017**

- Provided nonprofit consulting to the Office of Recreation and Park Resources in Oak Brook
- Analyzed data from a survey of residents to provide useful information to improve their allocation of resources
- Utilized Sequential Importance Sampling to simulate random tables and determine likelihood

Ethos   **January 2016 - May 2016**

- Built a web app that spatially represents the distribution of car parts around the world on an interactive globe
- Implemented a Node.js back end, and JavaScript, HTML, CSS front end in addition to WebGL Globe API

Skills/Interests

- **Python** and **R** (Advanced) – Knowledge of Scikit learn, NumPy, Pandas, SciPy, and matplotlib modules
- **SAS** (Intermediate) – Able to load/read, clean, and manipulate raw data files as well as produce comprehensive reports
- **Programming Fundamentals** – Data structures, computer architecture, algorithms, Object Oriented Programming, recursion/algorithm analysis, and Big O notation in **C++,** and **Java** (Intermediate)
- **Data Science** – Knowledge of machine learning, and related techniques such as PCA, clustering, SVM, and regularization as well as NLP/text analysis concepts
- **Stock Trading –** Managing personal portfolio of ETFs and other common stocks
- **Trilingual** – Proficient in Spanish, Urdu, and Hindi

Campus Activities

- **Association of Data Science and Analytics** – Participated in workshops and worked on data projects to develop skills including MongoDB, Hadoop, SQL, and Spark
- **Investment Portfolio Organization** – Attended meetings to develop stock trading and portfolio management skills, created an end of semester stock pitch for Ferrari to present to the whole club
- **Campus Rec Lifeguard** – Instructed a group of 12 middle schoolers to learn advanced swimming techniques