

Brandyn K. Lee

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Pasadena, CA

OBJECTIVE: Passionate and aspiring Data Scientist with extensive background and analytical experience in chemistry and medicine, excited to build a career in data and support cross-functional teams through data driven insights.

PERSONAL PROJECTS

Natural Language Processing Project for The Pat McAfee Show – Python (on-going)

- Utilized YouTube Data API to explore the show's rise in the sports entertainment world (partnerships with NFL, FanDuel, WWE) through Sentiment Analysis and Topic Modeling

Breakout Wide Receiver Study for 2022-2023 NFL Season – Python

- Scraped and cleaned multiple years of football data and created a univariate linear regression model with Scikit-learn to predict which wide receivers will outperform their average draft position in fantasy football

RELEVANT EXPERIENCE

Excelsior School | Arcadia, California

Jan 2022 – Jun 2022

High School Chemistry Teacher

- Taught technical chemistry concepts to international studies with varied degrees of English skills using individualized approaches to overcome language barriers and meet students' unique needs
- Authored lesson plans, worksheets, and tests in compliance with California Department of Education guidelines

Mater's Mothers' Hospital and Mater Research Institute | South Brisbane, Australia

Dec 2019 – Jan 2020

Research Assistant to Professor Sailesh Kumar (Head of OBGYN)

- Performed literature research on maternal-fetal medicine to identify gaps in the field of perinatal outcomes
- Analyzed datasets containing over 190,000 data points and 90 variables to find patterns in outcomes in hypertensive women through univariate analysis utilizing STATA

City of Hope National Medical Center | Duarte, California

Aug 2016 – Jan 2018

Clinical Research Assistant I, Department of Population Sciences

- Utilized REDCap and HTML coding to manage department's clinical databases and maintain clean data
- Designed HIPAA-compliant questionnaires and directed patient-centric clinical studies to meet participant satisfaction while maintaining scientific integrity

Peer-Reviewed Publications

Impact of Sarcopenia on Adverse Outcomes After Allogeneic Hematopoietic Cell Transplantation

Aug 2019

Journal of the National Cancer Institute (Volume 111, Issue 8, Pg. 837-844) | <https://doi.org/10.1093/jnci/djy231>

- Developed data cleaning protocol for abdominal computed tomography scans used to drive data analysis process
- Prepared and presented bi-weekly reports synthesizing key findings to research, healthcare, and statistics teams to ensure timely progress and continued alignment across teams

SKILL SET

Technical Skills

- Data:** Data Munging, Data Wrangling, Data Mining, Data Visualization, Web Scraping (Data Collection)
- Languages:** Python, SQL, working knowledge in R
- Python Libraries & Packages:** Pandas, Numpy, BeautifulSoup4, Scikit-learn, Seaborn, Matplotlib, Plotly, Re

Certifications

SQL for Data Analysis | Udacity

Aug 2022

Google Data Analytics Certificate – Credential ID NZYKJXJM78XR | Coursera

Jul 2022

Introduction to Scripting in Python Specialization – Credential ID ZS4Q3GDPMQPH | Coursera

Jun 2022

EDUCATION

University of Queensland | Brisbane, Australia & New Orleans, Louisiana USA

Feb 2019 – Jan 2022

Ochsner School of Medicine (2 years completed)

Pomona College | Claremont, California

May 2016

Bachelor of Arts in Chemistry | GPA: 3.7 | BPCM GPA: 3.9

INTERESTS

- Building Mechanical Keyboards | Fantasy Football (multi-league champion) | Anime | MLB | NBA | Cooking | UX Design | Microbreweries