

BERNARD WONG

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WORK EXPERIENCE

Data Scientist, Intern	Scripps Research	June 2019 - Present
<ul style="list-style-type: none">• Creating a professional research report outlining the effects certain sleep variables have on quality of sleep and life• Utilizes Pandas to clean out large health data sets and uses statistical methods to find meaning and patterns in data• Creates visual graphs utilizing Matplotlib and Seaborn to find trends in data, making data understandable for users		
Business Analyst, Intern	Nimber Inc. (Startup)	June 2019 - Present
<ul style="list-style-type: none">• Collaborates with team to create business plans that focus on expansion of the company and product promotion• Utilizes Python and R to create and statistically analyze surveys with questions regarding consumer opinions on UI/UX• Writes reports about product performance that include statistical analysis and visuals which are shown to investors		

PROJECTS

- **Analysis of Traffic and Collisions in San Diego** (<https://github.com/bew030/ds3-lyft-datathon>): Collaborated with a team to write a report on the relationship between traffic and collisions in San Diego for the DS3 Datathon. Created geographical visuals such as choropleths and map timelapses representing traffic routes and instances of collisions. Project was selected by Lyft as the winner of the Datathon.
- **StockX Analyzer** (<https://github.com/bew030/stockx-analytics>): Utilized Pandas, NumPy, Regex, and Email to collect clothing order receipts from an email inbox to create a neatly organized product inventory. Improved an API, allowing for easier access to user interactions and product data on StockX, a website that provides data on shoe and clothing sales. Created methods that scraped the StockX website and compiled product prices.
- **Lyft Driver Valuation Report** (<https://github.com/bew030/lyft-challenge>): Manipulated and cleaned datasets, performed statistical analyses, and created useful visuals that answered potential financial inquiries Lyft may have. Utilized SciPy and linear regression to visualize and accurately predict the value the average driver brought to Lyft over a projected lifetime. Wrote an 8-page report that summarized findings in a concise, coherent manner.

EDUCATION

La Jolla, CA	University of California, San Diego	Fall 2017 – June 2021
<ul style="list-style-type: none">• B.S. in Data Science• B.S. in Mathematics (Probability and Statistics)• Undergraduate Coursework: Statistical Approaches to A.I.; Data Analysis and Modeling; Applications of Spatial Data Science; Data Structures; Statistical Methods; Linear Algebra; Introduction to Data Management; Recommender Systems and Web Mining		

SKILLS

- **Languages and Tools:** Python; Java; R; Matlab; LaTeX; Tableau; HTML
- **Python Packages:** Pandas; NumPy; SciPy; Scikit-Learn; ArcGIS; Matplotlib; Seaborn; BeautifulSoup; RegEx; Selenium; SQLite; PostgreSQL
- **Machine Learning:** Statistical Analysis; Nearest Neighbor Classifiers; Linear Classification; Multi-Class Classification; Dimensionality Reduction; Boosting Algorithms; Regression Models; Gradient Descent; Support Vector Machines; Principal Component Analysis; Graph Theory; Decision Trees (ID3)

AWARDS

2019	1 st /200	UCSD DS3 Lyft Datathon
2017	National Finalist	BPA Graphic Design Promotion