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EDUCATION

University of California, San Diego (La Jolla, CA)

• M.S. Data Science and Engineering

B.S. NanoEngineering

2015-2017

2015

RESEARCH EXPERIENCE

DUV Systems Engineering Intern (Data Analysis) at Cymer

July 2015-September 2015

- Designed MATLAB GUI tools to automate SQL queries (MSSQL) and to automatically generate data reports.
- Reduced average SQL query time by ~32% for Cymer GUI tools.
- Presented to CEO and earned my colleagues recognition at the Cymer All-Hands Meeting

Research Programmer at Infant Vision Lab, Psychology Department (UC San Diego)

February 2015-July 2015

- Python (NumPy, Pandas, Scikit-learn), shell scripting (Bash, Perl, AWK) and MATLAB based data analysis, creation of visual stimuli and image processing.
- Basic HTML, CSS, JavaScript.

Research Intern at NanoBioElectronics Lab, Joseph Wang Group (UC San Diego)

January 2013- January 2015

- 9 coauthored publications in peer reviewed journals, 115+ citations (h-index: 7), 1 publication featured on cover
- Gathering and analyzing data using MATLAB and Python (Numpy, Pandas)
- Graphic Design/SolidWorks Modeling for schematic illustrations in peer-reviewed journals, news organizations (BBC, Nanowerk), NSF proposals, and presentations.

REVELANT SKILLS

Programming Languages: Python (NumPy, Pandas, Scikit-Learn, PySpark), Matlab, SQL, Bash, Javascript, HTML/CSS, C++

Database Management: Amazon AWS, MSSQL, PostgreSQL, MySQL

Operating Systems: Linux/Unix, Mac, Windows

Other Technologies: Hadoop, Spark, IPython, Jupyter, Git, LaTeX, SolidWorks

COURSEWORK

Python for Data Analysis (Pandas, Numpy, Scikit) Database Management Systems Probability and Statistics using Python Machine Learning Data Analysis using Hadoop and Spark Python for Informatics