Cynthia Vint

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Profile

A well-rounded Data Scientist with professional experience in Machine Learning, Data and Text Mining, Big Data Analytic Development, Data Visualization and report writing, Cyber Analytics, database design and implementation, customer-facing consulting and knowledge transfer, social media research and Arabic and Spanish proficiency. Interested in continuing to pursue and expand expertise in Data Science and Machine Learning topics.

Experience

BLUEVOYANT

DATA SCIENTIST – DECEMBER 2017 - NOVEMBER 2018

- Translated expert knowledge from network security analysts into production level data science algorithms capable of running on peta-scale datasets.
- Identified families of malicious networks on the internet using clustering and classification techniques with Spark and Python; utilized probabilistic data structures to achieve scalability.
- Developed a new algorithm to detect malicious copy-cat websites using locality sensitive hashing; the new O(N) algorithm scaled well beyond the legacy O(N2) algorithm and ran in seconds vs hours.
- Evaluated quality and value of third-party data sources with comparative statistical analysis.

IST RESEARCH

DATA SCIENTIST – SEPTEMBER 2016 - NOVEMBER 2017

- Developed unsupervised machine learning approach to draw insights from millions of social media text records.
- Created data visualizations, dashboards and analytical reports to summarize data from social media and from SMS and web survey data.
- Built image recognition API using GPU technology to facilitate analysts' qualitative research.
- Conducted training seminars to build visualizations and dashboards in Kibana for intelligence analysts.

UNIVERSITY OF WASHINGTON

DATA SCIENCE FOR SOCIAL GOOD FELLOW – JUNE 2016 - SEPTEMBER 2016

- Collaborated with a team to develop a classification model using Amazon reviews to identify food products that should be recalled.
- Ingested multiple disconnected data sources into a PostGres database to facilitate future research and to label the data for classification.

ORACLE CORPORATION

LANGUAGE ENGINEER – APRIL 2015 - JUNE 2016

- Acted as knowledge transfer lead to major customers for Oracle Knowledge Management and OBIEE software.
- Developed Java applications to facilitate data cleaning and customize enterprise search engine.
- Designed and implemented ontology and taxonomy rules.
- Authored internal and external documentation.

Education

- Boston University – MS in Computer Information Systems
  - Concentration in Data Analytics
- Emory University – BA *magna cum laude* In Middle Eastern Studies
  - Significant Coursework in Math and Computer Science

Languages

- Spanish (advanced)
- Arabic (conversational)

Skills

- Data Science
  - Machine Learning, Text Mining, Statistics, Data Wrangling (proficient)
- Programing
  - Python, Spark/PySpark, R, SQL (proficient)
  - Java (intermediate)