

SUMMARY

Data Scientist and engineer with 2 years software development experience. Strong mathematical background and skilled in supervised/unsupervised machine learning, statistical analysis, and natural language processing. Extensive experience in back end development. Skilled in data structures and algorithms and adapting to / learning new technologies and stacks. Passion for data storytelling, puzzle solving, and predictive modeling.

EDUCATION

BS Computer Science, Minor Technology Management, University of California Davis, 2013

Computer Science Coursework:

- Artificial Intelligence
- Parallel Processing
- Computer Networks

Technology Management Coursework:

- Marketing for the Technology Based Enterprise
- Managing Costs and Quality
- Supply Chain Planning and Management

TECHNICAL SKILLS

- Programming Languages: Python, R, C/C++, Java
- Databases: Postgres, MySQL, SQLite, MongoDB
- Distributed Systems: Spark, Hadoop, Hive, Mahout
- Linux, Eclipse, Git, Android API, LAMP stack
- Data Visualization: D3.js, Plot.ly, CartoDB, matplotlib
- Web Development: JQuery, AWS, Perl, C#
- Other Packages: sklearn, pandas, numpy, bs4, nltk, gensim, flask

EXPERIENCE

Fellow, Galvanize Data Science

June 2015– September 2015

A 12 week intensive boot camp covering machine learning, exploratory data analysis, natural language processing, and data visualization.

Personal Project – Tipworthy Content (<https://github.com/nspatil/tipworthy>)

- Collaborated with a startup, ChangeTip, to develop a project that could be useful to them. Built a dynamic content recommender for their users based on past tipped content. This recommender uses Latent Dirichlet Allocation to model topics in comments/posts that have been tipped and uses a bilinear regression model to predict whether a user will like some future content. A more complete project description can be found in the given repo.

IT Developer / Analyst, Hewlett-Packard, Roseville, CA

July 2013 – March 2015

Worked on the development, integration, and deployment of a cloud based learning management system that delivers training courses to HP customers. Focus on designing and implementing a reporting solution to deliver actionable data to HP Business administrators.

Accomplishments

- Oversaw and ran the migration of data from legacy system to the next-gen solution for over 60 countries. Responsible for data quality and integrity. Worked closely with country administrators. Ensured smooth transition and deployment.
- Created, tested, and deployed the frontend and backend of a reporting dashboard application to display data in clean and usable manner to HP Business administrators. This dashboard assisted administrators of HP Education in planning, scheduling, and running classes.
- Worked on the construction of data pipeline stretching from the offsite vendor solution to all dashboards and databases within HP Education. Collaborated closely with the lead data engineer to develop a coherent and clean data model
- Constructed a program to perform an automatic check of registered customers against a U.S. State Department provided Global Trade Restriction List. Automated solution replaced a process that was taking almost 30% of HP administrators time.

