

Anna Smith

Greater New York City Area

Data Engineer at spotify

Experience

Senior Data Engineer at spotify

July 2016 - Present (3 years 3 months)

Data Engineer at Rent The Runway

July 2013 - July 2016 (3 years 1 month)

Started as an analyst and data scientist working to understand the opportunities to improve Rent the Runway's custom recommendation systems through extensive understanding of web actions. Progressed into data engineering role and built a respected team which maintained data in a highly complex dependency graph.

- Improved the full lifecycle of data ingestion and consumption including design, build, and maintenance of reporting and data warehouse infrastructure.
- Increased the reliability, accuracy, and efficiency of backend systems to empower analysts, and provided exceptional level of confidence around data quality.
- Implemented and enforced engineering best practices such as versioned controlled code, pull requests, deployability of code, reliable hardware, and failover environments.
- Continually pursued new tools and created opportunities to improve and expand reporting capabilities.

Data Scientist at bitly

October 2011 - July 2013 (1 year 10 months)

Researched on internet scale data while working with all departments to deliver industry leading data centric products, sales initiatives, and community conversations. Specific daily challenges include quantifying and analyzing content consumption and engagement behavior for the entire user base, clustering and natural language data analysis, data presentation, peer review. Heavy use of tools such as Hadoop, Python and internally developed tool sets. Experience culminated in development and productization of a company priority audience analysis product that offers B2B customers an unparalleled understanding and insight into their own user/consumer behavior.

Research Assistant at University of Oregon

June 2010 - December 2012 (2 years 7 months)

Advisers: Drs. Stephen Hsu and James Schombert

Investigating techniques for dealing with large data sets, including machine learning and database management. Two projects in progress: understanding galaxy formation and evolution through surface brightness profiles, and consumer purchasing models in a transaction database.

Visiting researcher at Alibaba.com

September 2010 - September 2010

Mined statistics on transaction database. Looked for correlations across product categories to compress information and eventually create a predictive model for customers using demographic information.

Graduate Teaching Fellow at University of Oregon

September 2008 - June 2010 (1 year 10 months)

Graded homeworks and tests for undergraduate astronomy and quantum mechanics classes.

Research Assistant at University of Oregon

March 2009 - May 2010 (1 year 3 months)

Adviser: Dr. Michael Raymer

Used computational techniques to explore Spontaneous Raman Scattering and phase correlation between stokes and anti-stokes frequencies generated by the process.

Intern at Forschungszentrum Jülich

June 2007 - August 2007 (3 months)

Implementing error correction schemes for an Ideal Quantum Computer Simulator (IQCS) using JUGENE.

REU Intern at UC Davis

June 2006 - August 2006 (3 months)

Researched energy dissipation in superfluid helium vortices

Intern at Janicki Industries

June 2005 - August 2005 (3 months)

Lab assistant. Tested composite/resin systems for different benchmarks. Made different tools and tested vacuum/seal systems.

Education

University of Oregon

M.Sc., partial Ph.D (ABD)., Physics, 2008 - 2012

Activities and Societies: GTFF, AFT

Seattle University

B.S., Physics, 2004 - 2008

Activities and Societies: Society of Physics Students, Sigma Pi Sigma, Alpha Sigma Nu, Crew Team

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Linked  **Recruiter**