

Brandon Humpert

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SUMMARY

Software engineer with management and data science experience, seeking a job support data and data science at organizations with mature data processes.

EXPERIENCE

Data Platform Engineer (Lead) Earnest May 2015 - July 2016
San Francisco, CA

Helped architect and build the first automatic loan decisioning system at Earnest, decisioning 80 percent of that class of loans without human involvement. Improved ETL process throughout tenure, culminating in total rework to support move to a microservice architecture. Managed a team of 6 responsible for all 3rd party financial reporting at Earnest, overseeing two successful public securitizations.

Data Scientist PunchTab May 2014 - April 2015
Palo Alto, CA

Guided the direction of the company's data practice as its sole data scientist. Worked with business clients directly to understand their needs and incorporate them into product. Predicted lifetime values of clients' customers' based on customer behavior and demographics. Developed algorithms to detect fraudulent users in client programs. Performed clustering analysis to enable targeted marketing efforts.

Senior R&D Analyst Accenture Technology Labs July 2013 - May 2014
San Jose, CA

Researched emerging data technologies (various Hadoop distributions and tools, graph databases, analytics tools, etc.) to create departmental point-of-views. Created machine learning models to diagnose and predict incidence of hardware failure for clients. Developed tools and processes to sanitize and reshape incoming client data.

Consultant Contactology Fall 2012
Durham, NC

Provided machine learning algorithms for increasing click-through rates on direct e-mail marketing by analyzing large amounts of user behavior data. Used PHP to code algorithm using linear programming techniques to optimize database allocation. Rewrote user rating system to provide a 30x performance increase with higher degree of accuracy.

EDUCATION

PhD, Mathematics, May 2011
University of Kansas, Lawrence, KS
Specialization: Algebraic and enumerative combinatorics, graph theory
Dissertation: *Polynomials associated with graph coloring and orientations*

SKILLS

- Python (expert)
- Machine Learning and Statistics
- Management
- Databases (Relational, NoSQL, Graph)