

TAILORED RESUMES

BRYANT J. BIGGS

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EDUCATION

Purdue University – West Lafayette, IN
Bachelor of Science – M.E.T.
Received – December 19, 2009
Program GPA – 3.28/4.00

Arizona State University – Tempe, AZ
Bachelor of Science – Software Eng.
Expected – February, 2017
Program GPA – 4.00/4.00

EXPERIENCE

DATA SCIENTIST

Metis – New York City, NY. June, 2016 – Current

An immersive twelve week data science boot camp to learn and apply methods used in data science, data mining, supervised (SVM, decision trees, random forests, KNN) and un-supervised (NLP, K-Means) machine learning, statistical inference, Bayesian statistics, regression analysis, data visualization, and cloud computing.

Technologies utilized:

Python - Scikit-learn, SciPy, NumPy, Pandas, BeautifulSoup, Selenium, Matplotlib, Flask

Javascript - D3.js, jQuery

SQL and NoSQL Databases - PostgreSQL, MongoDB

Big Data tools - Apache, Hadoop, MapReduce, and Spark

APPLICATION ENGINEER

Saint-Gobain Performance Plastics – Wayne, NJ. June, 2014 – Current

Product design for PTFE based plain bearings used primarily in automotive and high-performance bicycle applications.

New product application development from initial prototype through launch within a global engineering team.

Development of enterprise applications to assist in rapid engineering drawing/document creation, automated script to

create design based recommendation document for customers, material usage calculator, Inventor based script to automate detail drawings, and macro based 3D parametric models to create internal and external tool sets.

Maintained multiple Access database used in project tracking. Designed and created new database used by North American HR team to review employee performance metrics and career growth.

PRODUCT ENGINEER

Wyman-Gordon – Grafton, MA. December, 2012 – May, 2014

Three-dimensional design of forging process models, forging dies, heat treatment and machining fixtures.

Finite elemental analysis (FEA) of material flow, cavity fill, defect analysis, tool stress, and dead-zone mitigation

Continuous cost reduction efforts with emphasis on material utilization and reduction in operational steps.

Process and product documentation improvement – work instructions and master router.

Led new product introduction to educate facility on new products.

DESIGN ENGINEER

Stalcorp U.S. L.P. – Thorntown, IN. March, 2010 – November, 2012

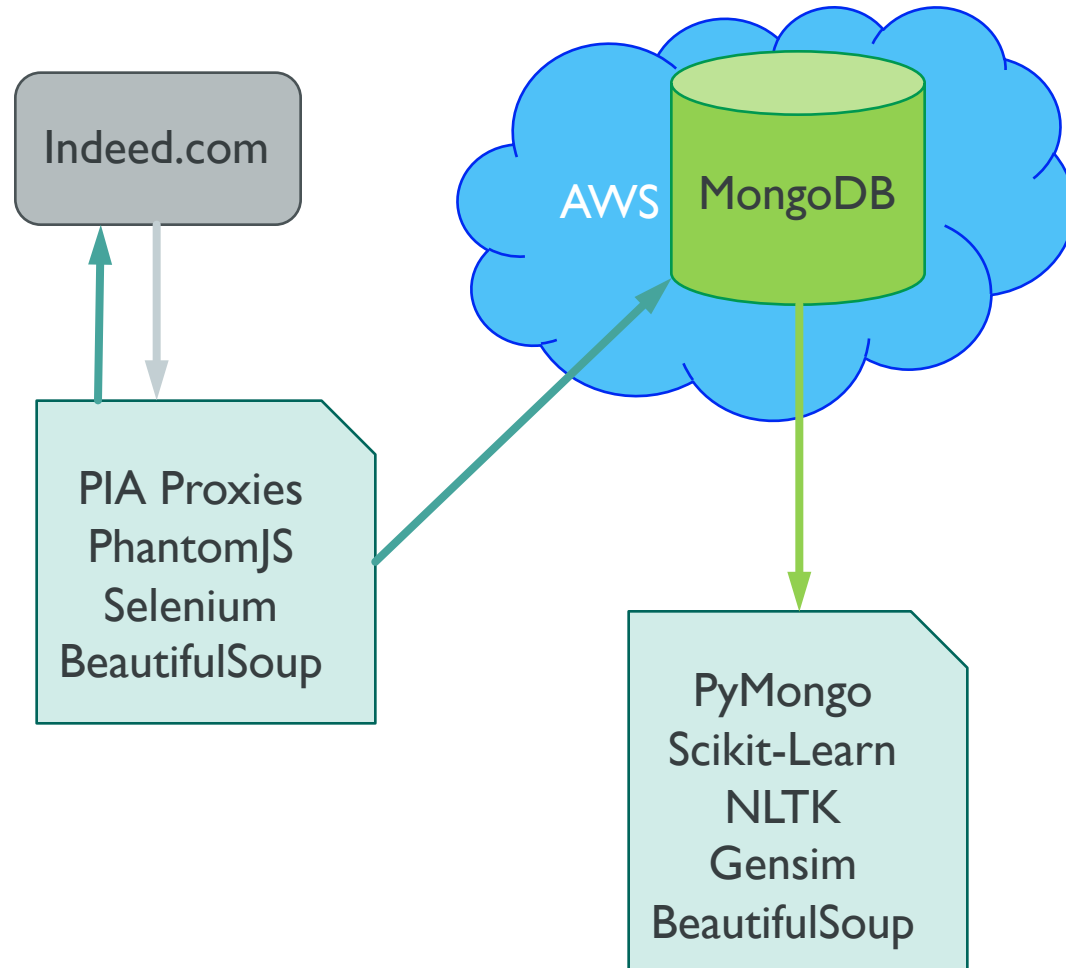
Tool design research and development for cold-forming ferrous and non-ferrous metals.

Process design for high and low volume manufacturing as well as prototype development

OVERVIEW

Problem Statement

Can I tailor my resume towards a role of interest?



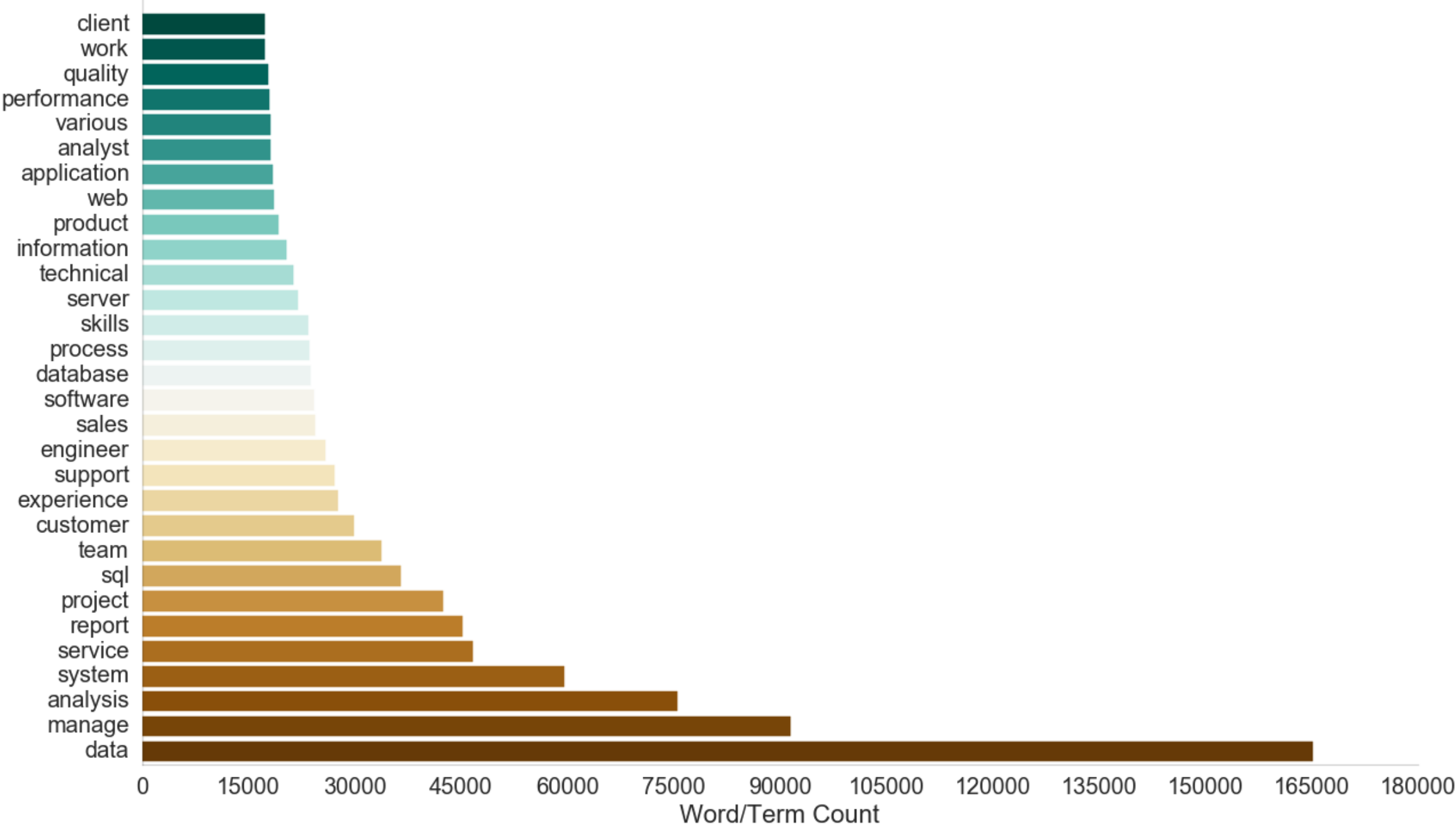
DATA

- 20,000 Resumes
- Search Terms Used
 - Engineer
 - Data
 - Data Analysis
 - Analytics
 - Big Data
 - Scientist

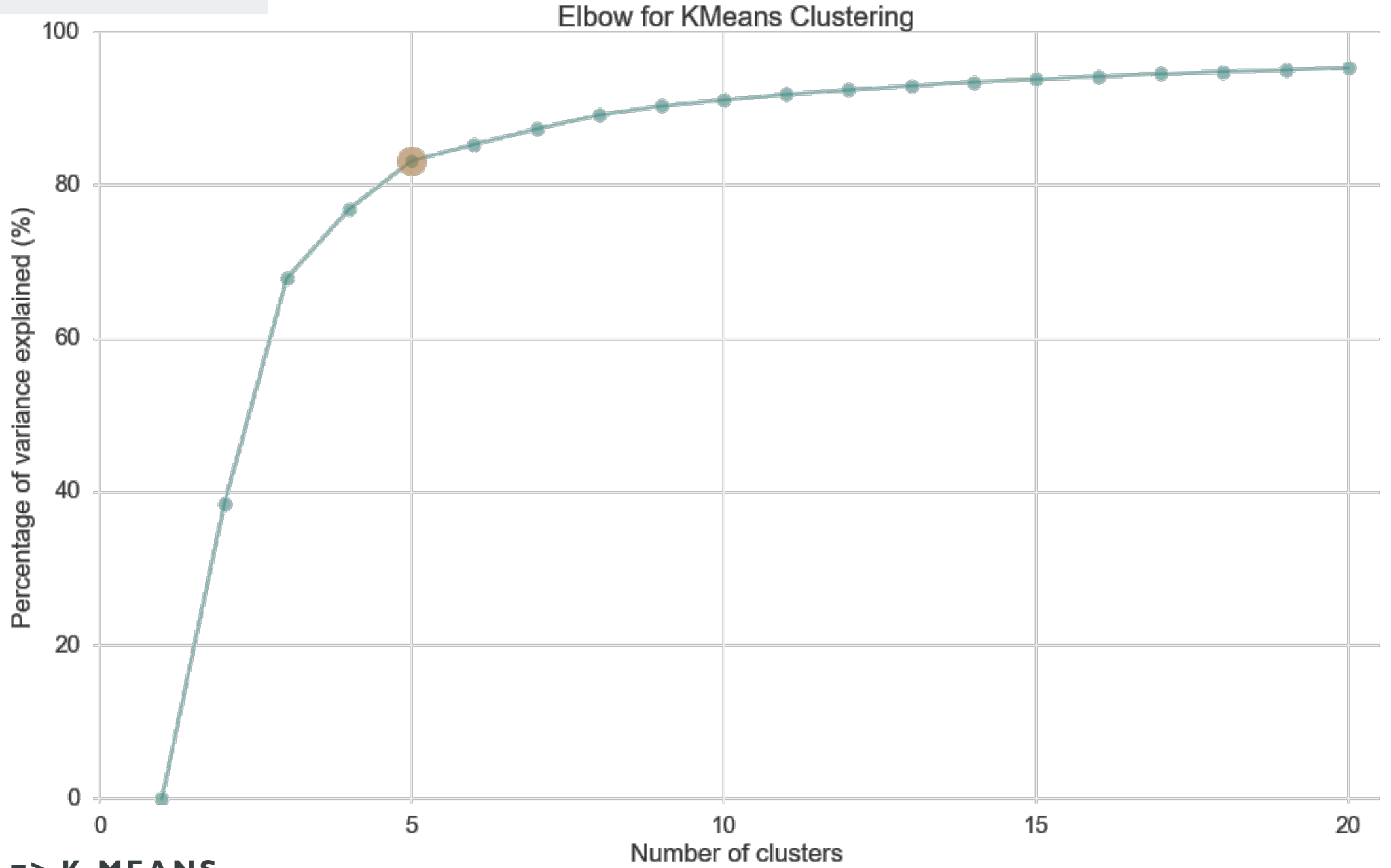
FEATURES

Noun Phrases Word/Term Frequency

Word/Term



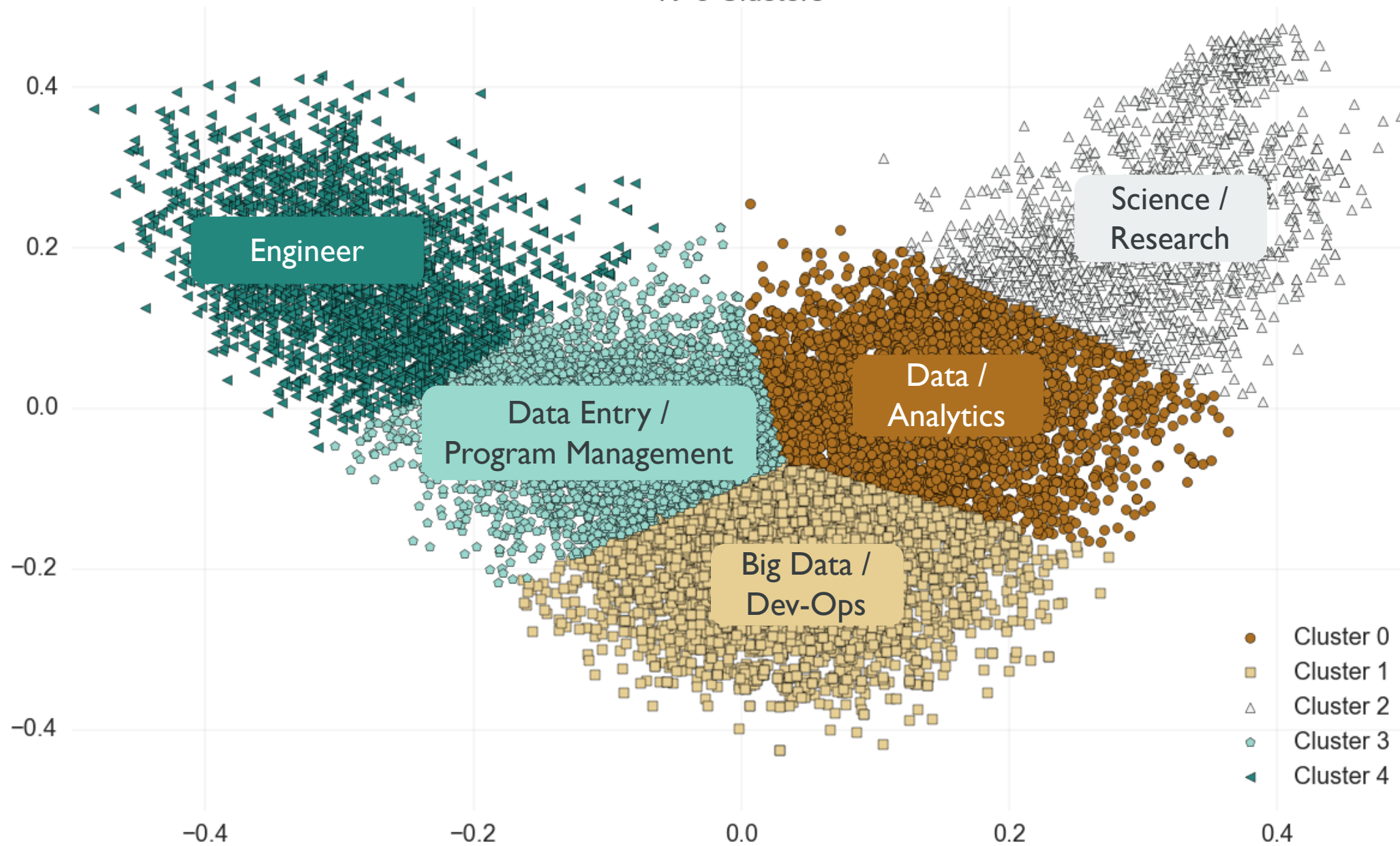
K-VALUE



TF-IDF => K-MEANS

CLUSTERS

K=5 Clusters



TF-IDF => PCA => K-MEANS

TOPICS

MANUFACTURING/ENGINEERING

CUSTOMER SERVICE / FRONT OFFICE

DATA ANALYST

IT / DEV-OPS

BIG DATA

SCIENTIST / RESEARCHER

COMPARISON TO
CURRENT RESUME:

MECHANICAL ENGINEER

TF-IDF => LSI => COSINE SIMILARITY

CURRENT RESUME

ID	Cosine Similarity
156	0.89467
149	0.89316
257	0.89077

John Krippel

Project Engineer - MTD Products Inc

Grafton, OH - Email me on Indeed: indeed.com/r/John-Krippel/14c845d7ca746279

A talented and determined Project Engineer with a proven track record of successfully completing projects, to get products to market, on time and on budget. Experienced working on complex and small projects, with a wide range of budgets. With a strong mechanical aptitude, a background in FEA/Design Analysis, and a wide array of experiences, would be a great asset to any Engineering Team.

WORK EXPERIENCE

Project Engineer

MTD Products Inc - Valley City, OH - July 2006 to Present

Responsible for reviewing more than 80% of our domestic production assembly bills for accuracy prior to the start of production.

- Developed a bagging assist system on the premium line of international mowers, as the Lead Engineer. The addition increased performance by more than 40%, and increased profit by over €50 per unit sold.
- Managed the engineer team, as the Lead Engineer and collaborated with a multi-disciplinary team, including engineering, purchasing, marketing, and sales, to develop and produce a line of mowers under the Snapper brand.
- Helped design the new line of Opening Price Point, Middle Price Point, and Premium Price Point mowers for the European Mass Retail Market.
- Collaborated with a cross-functional team to develop a new line of premium mowers which included 3 sizes, 3 drive configurations, across 2 brands.
- Maintained all design aspects of 3 existing walk-behind mower product lines through cost reduction initiatives and production issues resolution.
- Oversaw the transfer of production of the Premium Front-mount Ride-on Mower from the domestic plant in Ohio to the plant in Germany, ensuring that the assembly line was properly setup and the team properly trained.
- Trained six new assembly team leaders in Germany as part of the production transfer from Ohio.
- Redesigned the Premium Front-mount Ride-on Mower, based on new requirements specific to the European market.
- Developed a new product line, a Cub Cadet Front-mount ride-on mower, for domestic and European markets.
- Performed proactive design analysis on new designs, and reactive analysis for issues found during testing prior to going to market.
- Operated the CAD system for all high-end modeling required by the Design Analysis Department, as well as assisted on additional modeling and drafting projects throughout the rest of the engineering departments.

CAD Designer/Engineering Intern

Krumor Inc - Valley View, OH - June 2004 to June 2005

Researched and purchased 2 new industrial ovens, which allowed for better curing of the assembly resins and provided a more accurate test environment for the products we made.

- Created new, and updated old assembly drawings based on changes in the products from the previous seven years.
- Facilitated the move to a new, larger facility, ensuring all the building requirements were ready prior to the transfer.

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156	0.89467
149	0.89316
257	0.89077

Keith Dirks

Project Engineer - Hartland Controls

Sterling, IL - Email me on Indeed: [indeed.com/r/Keith-Dirks/89432faa337e2c12](https://www.indeed.com/r/Keith-Dirks/89432faa337e2c12)

WORK EXPERIENCE

Project Engineer

Hartland Controls - Rock Falls, IL - 2010 to Present

Mechanical engineer with responsibility developing and launching mechanical functionality and form factor of new product line of electromechanical controls outside company's current portfolio and expertise. Project includes, R&D, conception, 3D engineered models, FEA, MFA, component sourcing, US manufacturing and quality development support.

- Daily correspondence with China joint venture, their suppliers and Wholly Foreign Owned Enterprise (WFOE) developing new products, current manufacturing and quality activities.
- Capacitor product line engineering manager. Daily actives include correspondence with two China suppliers dealing with engineering, production requirements and quality activities. Efforts have allowed double digit sales increase in two years.
- Travel to China on regular intervals conducting business.

New Product Coordinator

Testors a Rust-Oleum Company - Rockford, IL - 2009 to 2010

Developed and engineered high volume automotive paint touch up system. Product displaced major OEM supplier to Wal-Mart and DIY automotive stores.

- Managed numerous new and redesigned product projects.
- Lead multiple manufacturing projects to improve work flow and assist in company lean initiative.
- Reason for leaving: Relocated engineering department.

Senior Product Engineer

Firefly Energy - Peoria, IL - 2007 to 2009

- Managed and performed multiple mechanical design engineering activities developing new battery chemistry within a startup company spun off from Caterpillar Inc., R & D group.
- Form facture engineer, CAD and FEA complete line of battery storage enclosure and inner structure for complete product line.
- Reason for leaving: Unable to secure series C funding during economic down turn. Sold technology overseas.

Senior Engineer

Greenlee a Textron Company - Rockford, IL - 2006 to 2007

Coordinated and scheduled new product mechanical engineering design activates for Test & Measurement business unit located in multiple domestic locations, Canada, Europe, India and China.

- Product line included numerous professional and consumer electrical testing and fiber optic handheld and bench instruments.
- Managed and mentor design staff within business unit.
- Reason for leaving: Decrease 80% global travel.

COMPARISON TO
UPDATED RESUME:

DATA SCIENTIST

	Cosine
ID	Similarity
14945	0.80436
8007	0.80401
9004	0.80005

Janice Zheng
Financial Data Analytics Intern

Milpitas, CA - Email me on Indeed: [indeed.com/r/Janice-Zheng/5361ceb62fa72a7c](https://www.indeed.com/r/Janice-Zheng/5361ceb62fa72a7c)

- Emerging data analytics professional in the finance sector, with cross-disciplinary training in advanced statistics (at University of Pennsylvania), software engineering (MS expected 5/16) and a BS in Financial Mathematics and Economics (completed the double major and Bachelor degree in three years)
- Developed a solid knowledge base for data science based on coursework in statistics, mathematics and computer science, including data mining, machine learning, Python programming, Data Processing and Analysis, Regression and Analysis of Variance, Measurement Theory and Test Construction, and many others
- Cultivated real-world experience through internships in data mining/analytics, statistical modeling and database management in the financial services, financial consulting and nonprofit sectors
- Skilled in predictive and prescriptive analytics, including optimization theory, data mining, times series analysis, predictive forecasting and a solid background in statistics (linear and nonlinear regression, statistical experiment design and statistical quality control) with the ability to derive meaning and patterns from large data sets

Willing to relocate: Anywhere
Sponsorship required to work in the US

WORK EXPERIENCE

Financial Data Analytics Intern

Janney Montgomery Scott LLC - Philadelphia, PA - June 2013 to August 2013

- Data Analytics Feasibility Study: served on a database team whose mission was to conduct specific pilots to determine how data analytics can benefit the product, service and client offerings at this leading financial services firm
- Software Assessment: assessed open source RapidMiner data mining software to determine its user-friendliness and abilities to handle large data sets; set up automated data analysis processes within the software
- Predictive/Prescriptive Analytics: applied various statistical learning models (variance, co-variance, regression and time-series analyses) to identify patterns and financial trends, and measure performance of different branches
- Key Accomplishments: developed and presented comprehensive analysis and findings of these various data analytics pilots to senior company management; became the internal subject matter expert on RapidMiner data mining software; devised the initial strategy (with the head of the database team) on which areas to apply a data analytics focus

Database Intern

International Friendships, Inc - Columbus, OH - June 2011 to October 2011

- Database Architecture and Interface: collaborated with the head of technology at this nonprofit to create the database relationships and interface for a membership management database
- End User Needs Analysis: communicated with end users to ensure their business needs were reflected in the database interface design and function
- Key Accomplishments: successfully created, launched and implemented the database, achieving this in less than four months all while managing a full undergraduate course load

Cosine	
ID	Similarity
14945	0.80436
8007	0.80401
9004	0.80005

Luke Fuller

Data Analytics Professional

Westmont, IL - Email me on Indeed: [indeed.com/r/Luke-Fuller/35b4378473985937](https://www.indeed.com/r/Luke-Fuller/35b4378473985937)

Data analytics professional combining strong technical experience with a passion for deriving actionable insights from customer sales data. Experienced in analytics with a proven ability for solving business problems, developing process efficiencies, and telling the story of the customer.

WORK EXPERIENCE

Team Lead

HAVI Global Solutions - Downers Grove, IL - May 2015 to Present

- o Led analytics delivery of point-of-purchase advertising effectiveness for major national promotions, and supported business development by developing the team’s analytic capabilities for future marketing customers.
- o Led analytics delivery for major national promotions, and presented analysis of promotional effectiveness to senior marketing directors weekly during promotions.
- o Member of winning team in Havi Global Solutions 2015 “Tell A Story” data narrative competition

Senior Analyst

HAVI Global Solutions - Downers Grove, IL - February 2014 to May 2015

- o Led demand forecasting and sales reporting for North America toy promotions.
- o Developed promotional effectiveness and demand planning tool for local price-discount promotions. Helped customer understand national sales implications of local promotions. This tool directly resulted in +\$100k additional revenue for the business.
- o Developed process efficiencies to significantly improve the speed of toy forecasting deliverables while improving reporting accuracy.

Analyst

HAVI Global Solutions - Downers Grove, IL - March 2013 to February 2014

- o Led demand forecasting, supply planning, and sales reporting for Australia toy promotions.
- o Developed process efficiencies to significantly improve the speed of toy forecasting and supply planning deliverables while improving reporting accuracy.

EDUCATION

Master of Arts in Applied Economics

University of Cincinnati - Cincinnati, OH
September 2011 to December 2012

Bachelor of Science in Business Economics

University of Louisville - Louisville, KY
August 2007 to May 2011

FOR THE FUTURE

- 1) GATHER MORE RESUMES + DIVERSE RESUMES
- 2) MORE EXPLORATION WITH PRE-PROCESSING AND TRANSFORMATIONS
- 3) ADD SIMILARITY COMPARISON BETWEEN RESUME AND JOB POSTING
- 4) PUT ONLINE FOR OTHERS TO UPLOAD RESUMES AND SEE THEIR OWN RESULTS

THANK YOU