

# JOHN MAXWELL

## DATA SCIENTIST



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BLOG  
CpuKnows.com

I am driven by two main philosophies: know more today about the world than I knew yesterday and lessen the suffering of others.  
- Neil deGrasse Tyson

I'm motivated to deliver solutions to difficult problems to better the lives of my family, friends, coworkers and community. I've demonstrated this through my work both at the office and my continued self-education. I can improve your company not only by contributing, but by helping my coworkers to grow and learning from my senior team members.

### > WORK EXPERIENCE

- DataCo Solutions**  
April 2015 - Current  
**DATA SCIENTIST**  
Extract useful information from domain experts and clients  
Data cleaning, pre-processing, and feature creation  
Univariate and Multivariate statistical analysis  
Data visualizations for reporting and client presentations  
Extensive use of R and R libraries  
  
**ACCOMPLISHMENTS**  
Optimized call center activity for millions of leads for a national B2B company  
*Sales reps moved leads through the sales funnel with 20% fewer calls*  
Created a customer database for data mining  
*Allowed client to make data driven decisions with customer profiles, segmentations, and target new customers*  
Segmented customers for national retail chain by purchase history and geography  
*Developed models to help client understand their customers and customize marketing efforts to each segment's needs*  
Optimizing open and response rates for a national B2B email campaign  
*Used a Bayesian Bandit algorithm allowing the client to find and send the most effective emails to their leads on the fly instead of reacting every 30 days*
- Continental Automotive**  
May 2011 - June 2014  
Chicago, IL  
**EMBEDDED SOFTWARE ENGINEER**  
Developed RTOS components such as hardware integrity checks, resource monitoring, inter-processor communication and over-the-air flashing  
Worked with intensive resource constraints  
Delivered fault tolerant code with low defect counts  
Integration and validation testing in test and production environments  
Personal ownership of subsystem implementation and testing
- Office of Information Technology (UIC)**  
May 2010 - May 2011  
**INFORMATION TECHNOLOGY ASSISTANT**  
Content and PHP updates for university website  
Manage hardware and software updates on department computers

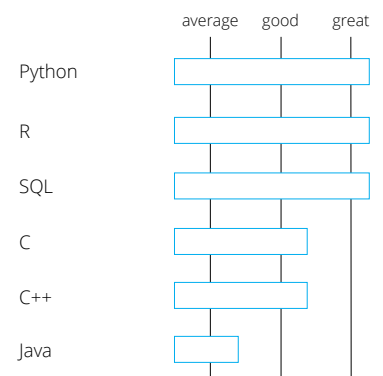
### > PERSONAL WORK

- Personal Education**  
July 2014 - Present  
**MACHINE LEARNING**  
Completed Andrew Ng's Stanford Machine Learning course through Coursera  
Great familiarity with tools used in Python stack: NumPy/SciPy/Pandas/Scikit-Learn  
Continued working on George Hinton's Neural Network course and Kaggle

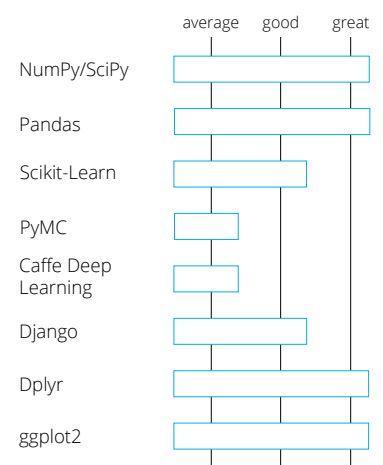
### > EDUCATION

- Bachelor of Science**  
2008 - 2011  
**Computer Science - Software Engineering Concentration**  
University of Illinois at Chicago

### > LANGUAGES



### > LIBRARIES



### > PROFESSIONAL SKILLS

