

JOHN MAXWELL

EMBEDDED SOFTWARE ENGINEER



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PORTFOLIO
github.com/CpuKnows

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 senior team members.

> WORK EXPERIENCE

- Continental Automotive *EMBEDDED SOFTWARE ENGINEER*
 - May 2011 - Present
 - Chicago, IL
 - Developing RTOS components such as hardware integrity checks, resource monitoring, inter-processor communication and over-the-air flashing
 - Working with intensive resource constraints
 - Delivering 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 *INFORMATION TECHNOLOGY ASSISTANT*
 - Technology (UIC)
 - May 2010 - May 2011
 - Content and PHP updates for university website
 - Manage hardware and software updates on department computers

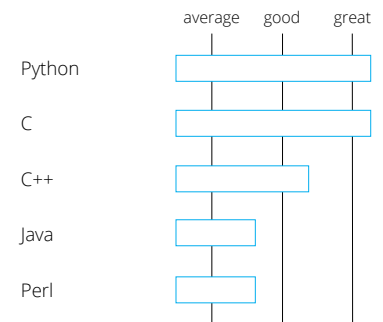
> PERSONAL WORK

- Personal Education *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
 - Kaggle competition participant
- Google Code Jam *PROGRAMMING COMPETITIONS AND CHALLENGES*
 - Ludum Dare Game Jam
 - Hacker Rank
 - Project Euler
 - Focus on extracting underlying systemic rules and algorithmic efficiency
 - Competition against world class talent
 - Learn to work in perpetual crunch time under pressure
 - Requires multidisciplinary knowledge of a solution process and implementation
 - Expands knowledge of programming language features and math techniques
 - Work with unique problems requiring creative solutions outside of comfort zone

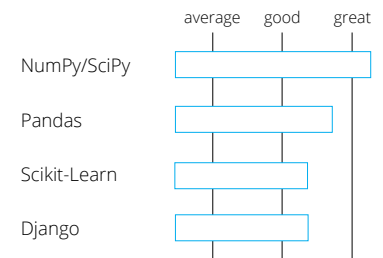
> EDUCATION

- Bachelor of Science *Computer Science - Software Engineering Concentration*
 - 2008 - 2011
 - University of Illinois at Chicago
 - GPA: Major: 3.23 / 4.0 Overall: 3.38 / 4.0

> LANGUAGES



> LIBRARIES



> PROFESSIONAL SKILLS

