Kurt R. Rudolph

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SUMMARY

A passionate engineer who loves finding solutions to problems. Currently pursuing entrepreneurial aspirations building out Rudy Industries. Hopes success in his career will enable him to continually face new and unique challenges.

EDUCATION

Computer Science, College of Engineering
University of Illinois, Urbana-Champaign, August 2012

Database Systems (CS411)	Data Mining (CS412)
Interactive Computer Graphics (CS418)	Programming Languages and Compilers (CS421)
Operating Systems Design (CS423)	Numerical Methods I & II (Cs357 & CS457)
Fundamental Algorithms (CS473)	Senior Project (CS492 & CS493)
Graph Theory (Math412)	Linear Algebra (Math415)
Differential Equations (Math441)	Probability Theory (Math461)
Undergraduate Research Laboratory (CS498url)	

COMPUTER SKILLS

- **Programming Languages**: Ruby, C, CoffeeScript, C++, Javascript, PHP, Bash, OCaml, MIPS Assembly, Python, Matlab, Java.
- **Markup Languages**: HTML, LaTeX, Markdown, Haml, YAML, JSON.
- **Web Frameworks & Common Web APIs**: Ruby on Rails, Sinatra, NodeJS, jQuery REST, Ajax, Backbone.js, Twitter-Bootstrap .
- **Other Tools & Notable Proficiencies**: CUDA, OpenGL, Git, Subversion, Mercurial, Vim, Unix-Screen, SSH, able to administrate most Unix & Linux distributions (most experienced with MacOS, FreeBSD, and Ubuntu), navigate Mac OS *entirely* via keyboard, SQL (largely used MySQL), DynamoDB.

EXPERIENCE

Software Engineer   Dec 2010 - Present
Rudy Industries Inc, the startup company I founded
- Founded during completion of undergrad to market computational services.
- Manage all financial and logistical aspects of the company.
- Have Largely been contracted as full-stack developer. Was one of 5 developers contracted who built SafelyFiled.com.

Mentor   January 2013 - Present
Bloc.io, an online educational institute
- Teach programming fundamentals, specifically those surrounding the Ruby on Rails web framework.

COMMUNITY SERVICE

Director of Technology   January 2011 - Present
Muldowney Foundation, charitable organization helping those with brain injuries
- Set up google apps and verious other cloud based collaboration tools.
- Built MuldowneyFoundation.org.
- Lead student project team working toward rehabilitation technology applications utilizing 3D cameras.

EXTRA-CURRICULAR ACTIVITIES

- Completion of VSCSE Proven Algorithmic Techniques for Many-core Processors.
- Active participant of StackOverflow.
- Personal website, KurtRudolph.net (I built the site and it links to more extra-curricular activities)