Kurt R. Rudolph

krudolph9@gmail.com • (708) 620-7839

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.

EXPERIENCE

Software Engineer & Founder   Dec 2010 - Present
Rudy Industries Inc,
- Founded during completion of undergrad to market computational services.
- Implemented administration panel and identified security vulnerabilities LAMP based web app SafelyFiled.com
- Set up collaboration resources for the Illinois Sustainable Technology Center.
- Actively manage all financial and logistical aspects of the company.

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.

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 WebAPIs: Ruby on Rails, Sinatra, Apache, NodeJS, jQuery, REST, Ajax, Backbone.js, Twitter-Bootstrap.
Other Tools & Notable Proficiencies: CUDA, OpenGL, Git, Subversion, 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.

EXTRA-CURRICULAR ACTIVITIES

Completion of VSCSE Proven Algorithmic Techniques for Many-core Processors.
Active participant of StackOverflow.
Personal website, KurtRudolph.net (please see site more extra-curricular activities)

EDUCATION

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

Database Systems (CS411)	Graph Theory (Math412)
Data Mining (CS412)	Linear Algebra (Math415)
Interactive Computer Graphics (CS418)	Differential Equations (Math441)
Programming Languages and Compilers (CS421)	Probability Theory (Math461)
Operating Systems Design (CS423)	Numerical Methods I & II (CS357 & CS457)
Senior Project I & II (CS492 & CS493)	Computational Theroy (CS373)
Undergraduate Research Laboratory (CS498url)	Fundamental Algorithms (CS473)