DICK@FICKLING.US

Available January-June 2014
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EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA   Sept 2010 – Present
Candidate for a Bachelor of Science in Computer Science, Minor in Chinese, May 2015
Academic Distinction: GPA: 3.7/4.0, Honors Program, Dean's List, National Merit Scholarship
Related Courses: Systems and Networks, Network Fundamentals, Algorithms and Data,
                    Programming Languages, Theory of Computation, Object-Oriented Design

TECHNICAL KNOWLEDGE

Languages: Python, C, Java, SQL, JavaScript
Software/Technologies: Django, Flask, EC2, Nginx, Gunicorn, SQLAlchemy, Alembic, Vim

TECHNICAL EXPERIENCE

CO-FOUNDER, CTO, ENGINEER AND SYSTEMS ARCHITECT, C.it Solutions, Boston, MA   Feb 2013 – Present
- Secured $10k Northeastern IDEA gap funding and $60k from angel investors during seed round
- Design and implement system server infrastructure using Amazon EC2, Ubuntu, Nginx, and Gunicorn
- Administer email, server access, web presence, and server security for organization
- Create API and backend for user storage and interaction system using Python, JavaScript, and MySQL
- Actively participate in user interface design discussions and work closely with mobile engineers

WEB ENGINEER, InsightSquared, Cambridge, MA   Jan 2013 – July 2013
- Built new reports for SaaS business intelligence product using Python/Django and JavaScript
- Wrote Python scripts that use third party REST and SOAP APIs to pull customer information
- Created advanced data model scripts to transform data from third party models to standardized model

FORENSIC SOFTWARE ENGINEER, Basis Technology, Cambridge, MA   Jan 2012 – Oct 2012
- Participated in ground-up creation of new Java desktop application
- Developed new features for file system forensic analysis tools in C and C++
- Led discussions regarding new and improved features and implementation
- Pushed code multiple times daily to open source repository (github.com/sleuthkit)

RESEARCH ASSISTANT, Northeastern University, Boston, MA   Jan 2013 – Apr 2013
- Sorted and analyzed massive Twitter data set to discover patterns in consensus dynamics
- Developed various Python scripts to automate analysis and report generation

LEADERSHIP EXPERIENCE

FRESHMAN MENTOR AND CCIS FELLOW, Northeastern University, Boston, MA   June 2013 – Present
- Act as first point of contact for incoming students via in-person meetings, phone, and email
- Engage directly with students to assist with any difficulties adjusting to college life and co-op search

TUTOR + MENTOR, Youth Development Initiative Project, Boston, MA   Sept 2010 – June 2013
- Volunteered as a tutor and mentor for underprivileged high school students in Boston
- Tutored students in math, science, and Chinese, and helped with college application process

TUTOR + GRADER, Northeastern University, Boston, MA   Sept 2011 – Dec 2011
- Graded students' CS Fundamentals homework assignments on a weekly basis
- Held office hours twice weekly to assist with homework and test preparation

INTERESTS + ACTIVITIES

Chinese language | unicycling | volunteering | traveling | photography | hiking | bicycling
Bicycled 1500 miles from Portland, OR to San Diego, CA in July 2013
Hackathon project, Meet 'n' Eat, awarded "Best UX" at Beanpot Hackathon in January 2013
github.com/richardfickling | flickr.com/photos/dick_fickling

References will be furnished upon request