

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, Theory of Computation, Algorithms and Data,
Network Fundamentals, Programming Languages, Object-Oriented Design

TECHNICAL KNOWLEDGE

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

TECHNICAL EXPERIENCE

CO-FOUNDER, CTO, ENGINEER AND SYSTEMS ARCHITECT, C.it Solutions, Boston, MA Feb 2013 – Present
Design and implement system server infrastructure using Amazon EC2, Ubuntu, Nginx, and Unicorn
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
Participate in user interface design discussions and work closely with mobile engineers

WEB ENGINEER, InsightSquared, Cambridge, MA Jan 2013 – July 2013
Developed 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 datamodel scripts to transform data from third party models to standardized model

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

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
Answer questions related to classes, student life, and co-op job search
Actively engage with students to assist with any difficulties adjusting to college life

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
Assisted students with college search, essay writing, and application process

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

INTERESTS + ACTIVITIES

unicycling | Chinese language | volunteering | traveling | photography | hiking | bicycling
Bicycled 1500 miles from Portland, OR to San Diego, CA in July 2013
Co-wrote a mobile app, Meet 'n' Eat, during a hackathon in January 2013, awarded "Best UX"
flickr.com/photos/dick_fickling | github.com/richardfickling