

EDUCATION & CERTIFICATION

Northwestern University – Evanston, IL

McCormick School of Engineering and Applied Science

Master of Science in Computer Science – Awarded June 2013

Cumulative GPA: 3.32/4.0

Bachelor of Science in Biomedical Engineering – Awarded June 2012

Cumulative GPA: 3.26/4.0 Track: Biomedical Signals and Imaging

Certified Software Quality Engineer (CSQE) – American Society of Quality

Awarded: 8/1/2014

Re-certify by: 12/31/2017

Study Abroad: Recipient of the **Undergraduate Language Grant** from Northwestern University to study in Aachen, Germany Summer 2011 at the Sprachenakademie Aachen.

PROFESSIONAL EXPERIENCE

Software Developer – Syndio (AngularJS, Django, Postgresql, Heroku, Redis)

Syndio, Chicago IL, March 2015 - Present

- Developed and implemented strategies for Unit, Integration, Performance, Load, Cross-Browser and Continuous Integration testing of our Angular JS / Django web application.
- Created release and code review procedures, and performed releases to production.
- Fostered a culture of quality and testing among development team: code coverage rose from 0 to 80% within 5 months, and the frequency of hotfix releases to production dropped substantially.
- Identified and delivered performance enhancements for the application: compressed data shipped from API and static file servers by 60 - 75%, and reduced initial page load time by 1.5 seconds.

Design Quality Engineer - General Electric (Healthcare)

GE Healthcare Surgery OEC, Salt Lake City UT, July 2013 – January 2015

- Supported engineering through V&V activities for hardware and software Design Changes, by establishing test plans, testing strategies, and ensuring testing was executed compliantly.
- Represented quality function on Design Change Board as Design Controls subject matter expert.
- Delivered Non-Conformance (NC) awareness tool (HTA app for Windows 7) that provided visibility for management into the timeliness of processing NCs on the factory floor.

Information Technology Leadership Program Co-Op – General Electric (Aviation)

Engineering Tools CoE – Business Intelligence, Cincinnati OH, June 2012 – September 2012

- Developed vision for a “single point of entry” portal to be used by GE engineers.
- Generated requirements by eliciting feedback from impacted functional areas of the business.
- Delivered a Windows 7 widget as proof of concept for the portal at the end of the summer.

VOLUNTEER EXPERIENCE

Volunteer Teacher: AP Computer Science – TEALS Program (tealsk12.org)

DePaul College Prep High School, Chicago IL, July 2015 – May 2016

- Taught a full year of AP Computer Science to a class of 13 high school students.
- Coordinated with co-teachers to plan lessons, assign homework, and split up tasks to be completed for the next class period. Weekly “stand-up” to sync on progress and transition in to the next week.
- Learned Java syntax the summer before class started (had no prior experience with the language).

Group Facilitator: Organic Chemistry – Gateway Science Program

Northwestern University, Chicago IL, September 2010 – July 2011

- Led group of 10 students through organic chemistry practice problems designed to help reinforce concepts learned in the classroom that week.
- Students in my group reported scoring 10% higher than the average on exams.

AWARDS

Above and Beyond Awards (2014) – General Electric (Healthcare)

- Awarded to employees who excel beyond their job description. Awards are aligned with GE values.
- Received five Above and Beyond awards during my service with GE Healthcare: 2x Compliance, 1x External Focus, 1x Expertise, 1x Inclusiveness

Man of the Year Award (2011) – The Delta Chi Fraternity

- Awarded to the chapter member who demonstrates outstanding leadership and character.

SKILLS

Programming – *Languages:* Python, Javascript, Java, Scala; *Frameworks:* Angular, Django, Spring
Services: Heroku, AWS (S3), Travis, Redis; *Testing:* Jasmine, JMeter, WebPageTest.org

Language – German: Limited working proficiency