

## 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 – Present*

- Teaching a full year of AP Computer Science to a class of 13 high school students.
- Coordinating 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, SQL, Java; *Frameworks:* Angular JS, Django  
*Services:* Heroku, Redis, AWS (S3), Travis-CI, Jasmine, JMeter, WebPageTest.org

**Language** – Conversant in German