

**EDUCATION &
CERTIFICATION**

Northwestern University – Evanston, IL
McCormick School of Engineering and Applied Science

Master of Science in Computer Science – Awarded June 2013
Cumulative GPA: 3.35/4.0

Bachelor of Science in Biomedical Engineering – Awarded June 2012
Cumulative GPA: 3.29/4.0 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 Engineer - Expedia, Inc. (React/Redux, Spring MVC, Microservices, MySQL)
Media Solutions: Ad Engineering, Chicago IL, June 2016 – Present

- Supporting TravelAds product in the Ad Engineering portfolio: TravelAds are sponsored listings that are inserted in to hotel search results based on a real-time auction between participating Hoteliers
- Developed strategy for FrontEnd architecture of greenfield project, eventually choosing React+Redux
- Finalist in Expedia Q4 2016 Global Hackathon (top 25 of 250 participating teams): Developed SME search tool that allows engineers to search for internal projects by dependencies used

Software Developer / Team Lead – Syndio (AngularJS, Django, Postgres, Heroku, Redis)
Syndio, Chicago IL, March 2015 – June 2016

- Developed and implemented strategies for unit, integration, performance, load, cross-browser and continuous integration testing of the Syndio people analytics platform (Angular/Django web app)
- Fostered a culture of quality and testing among development team: code coverage rose from 0 to 80% within 3 months, and the frequency of hot fix 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 page load time by up to 3 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 NC processing on the factory floor

**VOLUNTEER
EXPERIENCE**

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

DePaul College Prep High School, Chicago IL, July 2015 – June 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 yearly to the chapter member who demonstrates outstanding leadership, character and service

SKILLS

Programming – *Languages:* Javascript, Java, Scala, Python; *Frameworks:* React, Angular, Spring, Django
Services: Heroku, Github, AWS (S3, RDS), Travis-CI, Jasmine, JMeter, WebPageTest.org

Language – Conversant in German