Brian M. Ambielli

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EDUCATION & CERTIFICATION	**Northwestern University** – Evanston, IL *McCormick School of Engineering and Applied Science*

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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

American Society of Quality: Certified Software Quality Engineer – *Awarded Aug 2014*

Study Abroad: Recipient of the **Undergraduate Language Grant** from Northwestern to study German in Aachen, Germany at the Sprachenakademie, Aachen – *Awarded Mar 2011*

PROFESSIONAL EXPERIENCE

Expedia, Inc. – **Software Engineer / FrontEnd Tech Lead (Chicago, IL)**   *June 2016 – Present*
Tech Stack: React/Redux, SpringMVC, Scala (Finagle) Microservices, MySQL, Docker, ECS
- Supporting TravelAds product in the Ad Engineering portfolio by working across our tech stack
- Performed framework review for project's FrontEnd architecture, 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 the dependencies they use
- Promoted to FrontEnd Tech Lead in Jan 2017, with added responsibilities of leading Agile activities, mentoring new FrontEnd team members, and acting as point of contact for FrontEnd to Product team

Syndio – **Software Developer / Dev Team Lead (Chicago, IL)**   *Mar 2015 – June 2016*
Tech Stack: AngularJS, Django, Postgres, Heroku, Redis, Amazon S3
- Developed and implemented strategies for unit, integration, performance, load, cross-browser and continuous integration testing of the Syndio people analytics platform
- 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: I compressed data shipped from APIs and static file servers by 60-75%, and reduced page load time by up to 3 seconds
- Promoted to Dev Team Lead in March 2016, with added responsibilities including interfacing with clients, leading Agile activities, and participating in security audits

GE Healthcare – **Design Quality Engineer (Salt Lake City, UT)**   *July 2013 – Jan 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

Microsoft TEALS Program – **Volunteer Teacher (Chicago, IL)**   *July 2015 – June 2016*
- Co-taught a full year of AP Computer Science (before work) at a Chicagoland high school
- Coordinated with co-teachers to plan lessons, assign homework, and split up tasks to be completed for the next class period. Led weekly "stand-up" to sync on progress and transition in to the next week
- Many of my students passed the AP Exam and planned to study Computer Science in college

Northwestern GSW Program – **Group Facilitator (Evanston, IL)**   *Sept 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 section reported scoring 10% higher than the average on exams

AWARDS

GE Healthcare – **Above and Beyond Awards 5x (Salt Lake City, UT)**   *Q4 2013 – Q1 2015*
- 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

The Delta Chi Fraternity – **Man of the Year Award (Evanston, IL)**   *Spring 2011*
- Awarded yearly to the chapter member who demonstrates outstanding leadership, character and service

PROGRAMMING

Languages: Javascript, Java, Python   **Frameworks:** React/Redux, Angular, Spring, Django
Services: Heroku, Github, AWS (S3, EC2), Travis-CI, Jasmine, JMeter, WebPageTest.org