Brian M. Ambielli

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EDUCATION & CERTIFICATION

Georgia Institute of Technology – Atlanta, GA (online)
Master of Science in Computer Science (Machine Learning Specialization) – *Anticipated 2020*

Northwestern University – Evanston, IL
Master of Science in Computer Science – *Awarded June 2013*
Bachelor of Science in Biomedical Engineering – *Awarded June 2012*

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

PROFESSIONAL EXPERIENCE

Uptake – Senior Software Engineer (Chicago, IL)   *Oct 2017 – Present*
Tech Stack: React, Redux, vue.js, hapi.js, Apigee, Swagger, Docker, Jenkins, Kubernetes

- Fought for DRY architecture: instead of implementing user management in our application, worked with Product / Identity Management teams to centralize this responsibility in a new "accounts" application
- Identified need for more frontend familiarity across platform engineering team: developed "Frontend Fundamentals @ Uptake" curriculum to quickly bring engineers up to speed with frontend landscape
- Deployed developer portal application publicly within 2 months of joining the team. After understanding Uptake's deploy process, wrote internal blog post so other teams could learn from our experience
- Volunteered as engineering mentor for Uptake "Data Fellows" program for a 6 month engagement

Expedia – Software Engineer / Frontend Tech Lead (Chicago, IL)   *June 2016 – Oct 2017*
Tech Stack: React, Redux, Spring Boot, Scala, Microservices, Swagger, MySQL, Docker

- Evangelized React + Redux usage across the company, including presentations, classes, and tech talks. React went from a "framework for side projects" to a production ready solution within my first year
- Promoted to Frontend Tech Lead in Jan 2017, with additional responsibilities of leading agile activities, mentoring new frontend team members, and acting as point of contact for product team to engineering
- Internal hackathon results: finalist Q4 2016 (top 25 of 250 teams), 5th place Q2 2017 (250 teams), 2nd place Q3 2017 Media Solutions hackathon (11 teams)

Syndio – Software Developer / Development Team Lead (Chicago, IL)   *Mar 2015 – June 2016*
Tech Stack: Angular, Django, Postgres, Heroku, Redis, AWS S3, Jasmine, Karma, D3

- Fostered a culture of quality and testing among development team: code coverage rose from 0 to 80% within my first 3 months, and the frequency of hot fix releases to production dropped substantially
- Identified and delivered performance enhancements for our application: compressed and cached data shipped from APIs and static file servers, resulting in a reduction of initial page load time by 3 seconds
- Promoted to Development Team Lead in March 2016, with additional responsibilities of interfacing with clients, leading agile activities, participating in security audits, and prioritizing work with product team

GE Healthcare – Design Quality Engineer (Salt Lake City, UT)   *July 2013 – Jan 2015*

- Supported engineering teams through V&V activities for hardware and software design changes to GE OEC 9900 C-arm, by establishing test plans and ensuring testing was executed compliantly
- Side project: delivered non-conformance (NC) awareness tool (HTA app for Windows 7) that provided visibility for floor managers into the timeliness of NC processing in the factory.

TEACHING

Northwestern University - Web Development Bootcamp TA   *Jan 2017 – July 2017*

- Taught and mentored 26 students for the inaugural cohort of Northwestern's web development bootcamp
- Identified gaps in curriculum and created office-hours presentations on agile, git, and advanced JS topics

Microsoft TEALS Program – Volunteer Teacher   *July 2015 – June 2016*

- Taught full year of AP Computer Science at a Chicagoland high school, before work
- Led weekly "stand-up" to sync with co-teachers on student progress and ease transition to the next week

AWARDS

Expedia – Horizon Award   *Q1 2017*

- Awarded to top 10% of employees across the organization, based on their performance in the year prior

GE Healthcare – Above and Beyond Awards   *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 time with GE Healthcare:
  2x Compliance, 1x External Focus, 1x Expertise, 1x Inclusiveness

PROGRAMMING

Languages: Javascript, Java, Python   **Frameworks:** React, Redux, Angular, Spring, Django
Services + Testing: AWS (S3, EC2), Apigee, Git, Heroku, JMeter, Jenkins, Jest