

William J. Heath

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EXPERIENCE

Software Engineer

Dec. 2021 - Present

Associate Software Engineer

Feb. 2020 - Dec. 2021

Broadridge Financial Solutions | Edgewood (LI), NY

Selected to be a charter member of a newly created development team that utilizes AI/ML and RPA technologies to drive business improvements. My primary focus is employing AI/ML and AWS to deliver cost savings solutions on internal products while managing priorities from internal and AWS consultant stakeholders.

- Implemented end-to-end AI (NLP and computer vision) cloud solution from inception to deployment within agile project framework in partnership with AWS Professional Services, resulting in **time savings of ~20,000 hours**
- Architected an updated end-to-end solution based in response to business feedback and **took on the advanced responsibilities** of a machine learning engineer to develop within the product's AWS pipeline
- Delivered successful presentations on AI product to senior leadership and general audiences with **over 250 attendees**

Management Training Program (IT Specialization)

July 2019 - Feb. 2020

Broadridge Financial Solutions | Various Locations

Participated in an eight-month rotational Management Training Program across every business unit in the company to develop holistic knowledge, leadership skills, and present multiple business recommendations to executive leadership

- Built a full implementation plan for production floors to reduce transportation and loading time for roll paper
- Conducted time studies at multiple production sites to **increase efficiency** and **disseminate best practices** in multiple sites
- Created a framework to increase capacity for our virtual shareholder meeting platform after recognizing growth trends, preparing the department for an **unprecedented 560% increase** due to COVID-19

College Intern - Emerging Products

June 2018 - Aug. 2018

Broadridge Financial Solutions | Edgewood (LI), NY

- Improved internal quality of life tool for tax department by utilizing and learning PHP, SQL, XSLT, and SharePoint
- Reinforced understanding of agile product development lifecycle through refinement based on stakeholder feedback

Recreational Aide

June 2014 - Aug. 2017

Group Activity Program (GAP) for children and adults with mental and physical disabilities | Massapequa, NY

- Implemented activities and learning programs for groups of sizes 5-15 to **improve mainstream skills** and social comfort
- Developed ability to work effectively with individuals with various levels of function and successfully **maintain a positive learning environment** by redirecting potential conflict situations

EDUCATION

Stony Brook University | B.S. in Applied Mathematics & Statistics and B.A. in Economics

May 2019

- GPA: 3.5, Cum Laude
- *President*, Organization of Actuarial Students | *Teaching Assistant*, Applied Linear Algebra | *Member*, University Scholars

SKILL HIGHLIGHTS

Amazon Web Services (AWS) *Certified Cloud Practitioner (2021)*

- AWS Machine Learning tools (Comprehend, Textract, SageMaker, Rekognition), S3, Step Functions, Lambda, Batch

Data Science and Programming Languages

- Experience focused in AWS Machine Learning tools, specifically for NLP and computer vision services
- Primary skill in Python (analytics focus), working proficiency in R, C, SQL, SAS, PHP, HTML

Effective Technology Communicator

- Proficient in public speaking and communicating advanced technical information to general audiences
- Authored accessible internal product articles that are distributed to the entire company via newsletter