

DANIEL MARLEY

267-638-8568 | danielmarley215@gmail.com

Software Engineer: Full-Stack Development, Applied AI/ML

EDUCATION

The Johns Hopkins University M.S. Artificial Intelligence	2025
The George Washington University B.S. Computer Science, Artificial Intelligence Track	2020

TECHNICAL SKILLS

Java, Python, HTML, JS/Typescript, C, C#, Kotlin, Object-Oriented Programming, AWS, Kubernetes, Relational Databases, NoSQL, PyTorch, Tensorflow, Langchain, Angular, React

PROFESSIONAL EXPERIENCE

Senior Software Engineer – J.P. Morgan & Chase 2023 – Present

Customer Marketing & Acquisitions - Wilmington, DE

- Served across two teams a full-stack engineer, providing dev-ops expertise as well as designing and implementing new features
- Launched a new, in-house A/B testing framework to drive new marketing user experiences; generated an annualized increase in revenue of \$60mm within first year, exceeding projections
- Served as coordinator between business, design, analytics, and product teams in relation to releasing our initial set of tests and customer deliverables
- Developed and presented a proof-of-concept AI system to manage A/B testing for company hackathon

Software Engineer – Lockheed Martin 2020 – 2023

Space Branch - Valley Forge, PA

- Worked across a R&D team, a modern application, and a legacy application within my time at the company
- Team needs and applications varied, from a mature program dedicated to a specific space asset to developing an asset agnostic platform to simplifying satellite commanding for multiple different asset types with limited resources

PROJECTS

Multi-Modal Chest X-Ray Classification

- Extended existing research on multi-modal transformer-based model to accurately diagnose chest conditions based on scan data and patient text information
- Focused on increasing clinical accuracy by altering the architecture of the model, incorporating text data into pretraining, aiming to improve the consideration of patient medical reports in classification

FactCheckLLM

- Developed and tested an LLM system based around a plugin to identify, research, fact-check and annotate significant claims in a user's browser; based on the open source Llama3 model family
- Built a benchmark framework, marking performance against Politifact's previous publications, the FEVER (Fact Extraction and Verification) LLM Benchmark, and the AVERITEC (Automated Verification of Textual Claims) LLM Benchmark

Hi-YAH (Help You Already Have)

- Hackathon project to create LLM based HR chatbot to help employees with disabilities explore resources available to them at their location
- Built with use of OpenAI's API and a collection of internal HR resources/documents as a knowledge base