




Amanda Yee


Software Engineer | Data Scientist


I recently earned my Master's in Software Development and am transitioning into an engineering role, building on over **7 years of experience** as a data scientist. My background has equipped me with a strong foundation in **problem-solving**, **attention to detail**, and a focus on delivering **high-quality results**. I **upskill on new technologies quickly** and have a **strong work ethic** and am eager to contribute to a collaborative team while continuing to grow as a software developer.


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EXPERIENCE

Volunteer

Software Engineer – New York, NY

Jan 2025 - Present

- Designing and developing responsive web applications for local clients using **React.js** and **Node.js**

SiriusXM

Senior Data Scientist / Engineer – New York, NY

Feb 2024 - Present

Data Scientist – New York, NY

Aug 2022 - Feb 2024

- Developed and deployed production Streamlit **web applications (Python / HTML / CSS)** to provide marketing teams with real-time visibility into A/B test performance, accelerating decision-making and replacing manual data pulls and reporting
- Built and scaled the ML **feature engineering pipeline**, using **Python** and **SQL**, enabling next-day feature availability for ML models and removing dependency on other teams
- Contributed to the team's large internal codebase, automating **machine learning model builds** within a cloud-based platform, improving deployment speed and model accuracy
- Automated manual organizational processes** with interactive Python notebooks, reducing execution time by 50%
- Collaborated cross-functionally** with engineers, product managers, designers, and marketing stakeholders to deliver on marketing initiatives for the business
- Developed and productionized a **customer segmentation model**, used across SiriusXM for personalization and targeted marketing
- Led **A/B testing** on UI / UX designs, reducing online cancellations by 9 ppt

Quantium

Data Scientist / Consultant – New York, NY

Nov 2019 - Jul 2022

Associate Analyst – Brisbane, Australia

Feb 2018 - Nov 2019

- Consulted for the leading global retailer, Walmart, to **develop multiple ML models** that forecast product demand, powering localized recommendations across 4500+ stores
- Delivered a range localization algorithm for a leading drinks retailer, projecting a revenue lift of \$890K based on trial store recommendations
- Automated internal checks** to streamline the model review process, improving scalability and reducing deployment errors
- Collaborated in cross-functional **Agile teams** to develop and deploy ML models for clients, providing clear communication to technically diverse stakeholders

EDUCATION

Boston University – Boston, MA

2023 - 2025

Master of Science in Software Development

- GPA: 3.97

Bond University – Gold Coast, Australia

2015 - 2017

Bachelor of Actuarial Science

- Honours thesis published in the Journal of Forensic and Investigative Accounting
 - Title: [Detecting Financial Statement Fraud: An Alternative Evaluation of Automated Tools Using Portfolio Performance](#)
- Member of the Bond Actuarial Students' Society and Bond Business Students' Association

SKILLS

Languages

- HTML
- CSS
- JavaScript
- Python
- SQL

Libraries & Frameworks

- React
- Next.js
- Express / Node.js
- Tailwind CSS
- Jest

Data & ML

- MongoDB
- SQL Server
- Machine learning algorithms

Other

- Git
- REST APIs
- Tableau
- Scrum (Agile)

PERSONALITY

Myers-Briggs: ESFP

Gallup Top 5 StrengthsFinder:

- Adaptability
- Positivity
- Harmony
- Woo
- Communication