

Brendan Manning

BrendanAndrewManning@gmail.com | 610.500.3205
BrendanManning.com | linkedin.com/in/bmanning443 | github.com/brendanmanning

EDUCATION:

TEMPLE UNIVERSITY, College of Science & Technology, Philadelphia, PA
Major: Data Science, Computational Analytics | Graduation: December 2021
GPA: 4.0 | Phi Beta Kappa | University Honors Program | University Provost Scholar

SKILLS:

Java Scala JavaScript Python PHP C++ Node.js Git Unit testing CI/CD
AWS Firebase Docker Unix SQL Databricks Snowflake sklearn Machine Learning

EXPERIENCE:

Capital One Bank, N.A. – Data Analyst Intern June 2021 – August 2021

- Built an automated anomaly detection pipeline that identifies major debit card fraud events with an 18% better hit rate than expected, leading to potential savings of at least \$100K/yr
- Designed pipeline to take advantage of cloud computing, by using scheduled Databricks notebook for code execution, a Snowflake database for storage, and a hosted Tableau dashboard for presentation
- Presented quantitative and qualitative results to Managing Vice President that showed benefits from future use of internal software which led to additional presentations with more senior leadership

Trailmapper.io – Software Engineer Consultant May 2020 – Present

- Wrote reporting tool using Scala and created data pipelines in AWS which converted several manual workflows into automated scripts, saving almost an hour for each
- Developed and optimized unique “hyper-targeting” framework that generates efficient SQL queries based on input to a React form, to provide actionable insights and leads to clients
- Communicate updates regularly with colleagues over Discord and prioritize tasks in Agile board to maximize business impact for a pre-seed startup
- Worked within time and resource constraints to build an automated deployment system for internal software

Cigna Health Insurance – Technology Early Career Development Program

Data & Analytics Enablement Team May 2020 – December 2020

- Created dashboard to specification requests from leadership, using Plotly and the Domino API, which allowed Cigna’s Head of Big Data to monitor and understand engagement with new platform
- Trained machine learning regression model on COVID-19 datasets to predict daily new cases with $R^2 \approx 0.85$
- Led Intern Innovation Challenge teams through weekly sprints, engaged one-on-one with teammates, and communicated progress to project manager
- Leveraged pair programming to teach core data science skills to fellow interns, who then proficiently used Python and Pandas in their daily work

Technical Empowerment & Advancement Team June 2019 – May 2020

- Proposed, built, and deployed an NLP model with 80% accuracy to Artifactory for use in an AWS Lambda project over the course of a three-month period
- Participated on an Agile team and proactively took up additional tasks then ensured changes worked through robust unit testing in a CI/CD pipeline

Kiva – Volunteer Software Engineer October 2018 – May 2019

- Developed training platform for community moderators of a large social-good website using Node.js, React, MongoDB, and GraphQL, saving Kiva >\$4,000 worth of paid development time

ACTIVITIES:

TUDEV – President, Computer Science Club December 2019 – May 2021

LeaderShape Seminar – Participant March 2020

OwlHacks 2019 – Hackathon Emcee March 2019

Service Immersion: El Paso, TX – Participant March 2019