Natasha Mitchko

Software Engineer with experience in financial technology and background in chemistry. Likes: 100% test coverage, implementing best practices, making code readable and maintainable, using the right tool for the job, photography, painting & dogs

TECHNOLOGIES

Languages	Python (some golang and C++ experience)
Frameworks/Libraries	Pytest, Numpy/Pandas, Flask, Keras, Tornado, Celery, SQLAlchemy
Database/Industry Tools	AWS, Docker, Jenkins, PostgreSQL, Redis, Git

WORK EXPERIENCE

Senior Software Engineer - EMI (Enhanced Merchant Insights)   Oct 2018 – Present
Capital One, New York, NY
- Python SME for the team: I advise on python best practices, pair program with team members, am a top participant in the company-wide #python slack channel
- Maintain and improve the merchant binding logic behind virtual card numbers
- Close collaboration with Data Science team to integrate and ship machine learning models into our APIs
- Built CLI tooling to gather precision, recall and coverage numbers for our transaction cleansing API

Senior Software Engineer - Labs
Capital One, New York, NY
- Backend Engineer responsible for prototyping innovative concepts in banking by working tightly with product and design
- Brought deep learning to the Capital One tech innovation group (CNN/LSTM/GAN)
- POC work to create an in-house sentiment analysis deep-learning model to be integrated into our chatbot

Software Engineer - Data License   Sep 2017 – Oct 2018
Bloomberg LP, New York, NY
- Software Infrastructure Team, Core Systems
- Builds and maintains a distributed task queue and worker management system using Celery and RabbitMQ
- Infrastructure runs $1B worth of financial record requests through it each year
- Built internal tooling for our support team to troubleshoot client issues

Technical Specialist   June 2015 – May 2017
Google, New York, NY
- Supported advertisers who spent more than $1.2M per year, helping them understand, implement and measure the impact of new and emerging advertising products
- Resolved over 8,000 client issues
- Wrote and maintained SQL scripts that queried the Google Maps and Ads databases for troubleshooting
- Created a comprehensive training program which allowed the team to scale its services to over 150 members of a vendor team

EDUCATION AND TRAINING

New York University   May 2015
Bachelor of Arts in Chemistry, Minor in Chinese