Andrew K. Lorelle

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SKILLS

Languages: C#, JavaScript, TypeScript, SQL, HTML, CSS, Java, Scala, Python, PowerShell

Frameworks: .NET 4.8, ASP.NET, Angular 13+, AngularJS, PyTorch, Tensorflow, spaCy, SciKit, Pandas, NLTK

Tools: Azure, Google Cloud Platform (GCP), Git, SVN, TFS, Docker, JMeter, IIS, Windows, Linux

Fields: Recommendation systems, Natural Language Processing, Applied Machine Learning, Text Similarity

EXPERIENCE

Machine Learning Software Engineer, Sunview Software – Brandon, FL **06/2017 – 04/2023**

- Owner of the ML feature set for ChangeGear, an ITSM software application.
- Upgraded legacy C# code infrastructure across the full stack of the ChangeGear codebase, which included the main Angular SPA frontend, a DevExpress desktop app, and a MS SQL database component.
- Designed new ML features as part of the company's R&D team in the quest to create practical applications for cutting-edge AI research.
- Refactored "Suggestion Center" ML search feature across both ChangeGear and ML tech stacks in order to improve maintainability and performance.
- Developed ML infrastructure in Python to replace aging Scala tech stack with a more maintainable and performative version.
- Optimized REST API calls between the ML software stacks in order to eliminate performance bottlenecks.
- Trained and deployed complex ML models through the use of GCP
- Created filtering scripts to clean PII from machine learning datasets.
- Developed code architecture that allowed the migration of enterprise software from on-premise to a SaaS sales model.
- Worked with NUnit and Selenium to expand the suite of automated tests across both codebases in order to reduce QA workload.
- Practiced agile software development, which consisted of daily standups, scrums, and biweekly sprints.
- Maintained codebases using both SVN and GIT version control tools
- Helped other team members with both code reviews and general mentorship

Programmer Internship, Entangled Media – Dade City, FL **05/2015 – 07/2015**

- Added new features to and helped maintain the active web app DealMyBrand.
- Improved web UI/UX while participating in design meetings for both active and experimental projects.
- Learned analytical, problem solving, and communication skills needed to navigate a professional office environment.

EDUCATION & CERTIFICATIONS

Microsoft Certified: Azure Developer Associate **2024**
Microsoft

Bachelor of Science in Computer Science **2017**
University of Florida, Honors Program, Gainesville, Florida