

Software developer with an academic background in software development and machine learning. Experienced in sentiment analysis, natural language processing (NLP), and the application of supervised learning methods to large-scale social media data. Currently working in industry as a junior software developer while preparing for a PhD application for Fall 2026.

Research interests include: misinformation and public opinion analysis, machine learning and model development, human-machine interaction, and applied AI with industry-relevant impact.

PROFESSIONAL EXPERIENCE

9/2023 – Present

Junior Software Developer, Kneat Solutions, Limerick

- ✓ Developed and maintained backend services using C# and ASP.NET Core.
- ✓ Designed and optimized RESTful APIs, verified with Postman.
- ✓ Implemented Entity Framework Core for database access and LINQ queries.
- ✓ Wrote unit and integration tests; contributed to code reviews.
- ✓ Integrated services with AWS (EC2, S3, RDS); deployed using Docker & Kubernetes for containerization of backend services.
- ✓ Collaborated via Git/GitHub for version control and Agile/Scrum practices.

SKILLS

Programming: C#, ASP.NET Core, Python (ML/NLP), SQL, HTML, CSS, FrontPage

Tools: Entity Framework, AWS, Docker, Kubernetes, Git/GitHub, Linux, PowerShell

Languages: English (Professional Working Proficiency); Chinese (Native); German (Basic)

General Skills: Microsoft Office, EndNote, FileMaker, Website design and management; Analytical Problem-solving, Effective communication, Teamwork