KONRAD **SOKOŁOWSKI**

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SKILLS

Programming Languages: Python, Java, C#, JavaScript, TypeScript, SQL, Dart
Technologies: AWS, LLM, FastAPI, .NET, TensorFlow, Angular, Spring Boot, Cosmos DB, MySQL, Microsoft SQL Server, Azure
Languages: English, Dutch**,** Polish

EXPERIENCE

Mendix   **Rotterdam, NL**
Machine Learning Intern – MxAssist   *Feb 2024 – Current*
- Engineered and integrated a tool into Mendix Studio Pro (IDE), utilizing C# and Python. This tool parses binary app model changes and on-disk file changes, correlating them with linked user story information.
- Boosted speed and cost efficiency by up to 40% by leveraging prompt engineering techniques and preprocessing steps, achieving a significant reduction in input tokens, and enhancing both cost efficiency and speed with AWS Bedrock.
- Achieved a 76% user preference for AI-generated content through a usability study that aligned user preferences with the Large Language Model's capabilities.

Van Lanschot Kempen   **Amsterdam, NL**
Working Student & Intern – Wealth Intelligence & Control Team   *Sep 2022 – Jun 2023*
- Developed and maintained financial applications using Angular, .NET, and MS SQL, enhancing private equity fund management and client portfolio administration.
- Architected and deployed an HR candidate matching tool integrated with Microsoft Calendar via the Graph API, improving HR availability tracking.
- Achieved a 30% reduction in defects per sprint through the implementation of a Quality Assurance strategy, leveraging test scenarios and defect prevention techniques.
- Improved software quality through active participation in code reviews, bug fixing, and testing, ensuring software met all requirements.

Testlio   **Remote**
Quality Assurance Tester   *Jul 2021 – Aug 2023*
- Conducted functionality, usability, and localization testing for mobile and web apps across 10+ clients, enhancing UX through 275+ test runs while ensuring adherence to cultural requirements.

PROJECTS

Fabric Pattern Recognition and Classification
- Developed a CNN model to classify fabrics based on fabric patterns, using self-collected data from a Vizoo machine and mobile phones.
- Implemented grid-based data augmentation and comparison-based noise reduction algorithms to enhance model accuracy.
- Achieved 97% accuracy in out-of-sample fabric classification, supporting the client's goal of promoting sustainability through quality clothing investments.

EDUCATION

Amsterdam University of Applied Sciences   **Amsterdam, NL**
BSc Software Engineering (Minor in Applied Artificial Intelligence)   *Aug 2020 – Jun 2024*
Coursework: Machine Learning, Deep Learning, Computer Vision, Calculus, Statistics, AI Ethics, Algorithms & Data Structures, Design Patterns, Test Driven Development, Object Oriented Programming, Networking Infrastructure, Databases