Alex Gorevski

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Industry veteran with 18 years of experience delivering high-impact systems, now focused on applied AI. I thrive in roles where I can combine deep engineering ability with modern AI capabilities to drive excellence and deliver clear value.

Experience

Microsoft – Responsible AI – Principal SDE   **2022 – Present**

Co-developed a custom E2E model onboarding platform (patent pending) for onboarding RAI models, including fine-tuning, quantization, perf tuning, and regional deployment infrastructure on the AML stack.

Co-authored an ML model/paper for steganographic image watermarking (arXiv:2411.07795), enhancing the open standards of C2PA for traceability & outperforming Google's SynthID (arXiv:2510.09263, pg. 21).

Optimized in-house image classification and code vulnerability models, cutting >$10M/year in COGs and reducing P99 latency 3× through quantization, hardware-aware optimizations, and efficient data handling, lowering GPU requirements from A100 to T4.

Developed the model analysis & inference infrastructure for a low-data text classification pipeline (patent pending) to enable customers to create custom topic classifiers outside of the scope of traditional RAI classifiers within minutes leveraging LEC techniques to improve precision / recall, while significantly increasing throughput.

My LinkedIn profile has all the salient details about my earlier positions below.

Microsoft – Analog Data Insights – HoloLens – Principal SDE   *2017 – 2022*
Created tooling & insights over Petabyte-scale telemetry data through a C# domain-specific-language.
Microsoft – Analog Analysis Platform – HoloLens – Senior SDE   *2015 – 2017*
Refined an ML testing platform for reliability, scalability, and performance on Azure.
Microsoft – Analog Insights and Efficiency – HoloLens – Senior SDE   *2013 – 2015*
Co-developed the organization's first HPC cluster for Ground Truth Analysis on Azure.
Microsoft – Windows Inbox Applications – Calendar – SDET II   *2012 – 2013*
Developed test infrastructure for third party developer APIs used by the Windows 8 Calendar app.
Microsoft – Windows Live Communications – Platform – SDET / SDET II   *2008 – 2012*
I owned the test infrastructure for the entire sync stack across all Windows Live Client Applications.
Savant Systems – Hardware Engineering – Intern   *2007*
Designed PCBs and programmed firmware for a suite of home automation products.
Paychex – Quality Assurance – Intern   *2006*
Evaluated releases of internal payroll software, replacing the aging COBOL solution.

Publications & Patents

- *InvisMark: Invisible and Robust Watermarking for AI-generated Image Provenance,* arXiv: [2411.07795](https://arxiv.org/abs/2411.07795), 2024 – Co-author. Developed gradient-resistant watermarking.
- **US12423949B2** – Knowledge-Driven Pre-Trained Form Key Mapping (Awarded 09/25)
- **US20250356123A1** – Training and Applying a Key Sentence Classifier Model (Published 10/25)
- *User-Defined Topic Classification and Moderation* (Filed 12/25)
- *Intellectual Property Risk Detection in Code Snippets – Evaluation and Iteration* (Filed 12/25)
- *Customer-Driven Responsible AI Model Update Framework* (Filed 06/25)

Education – Rochester Institute of Technology – Class of 2008

Bachelor of Science – Computer Engineering w. Software Eng. Option – PFOS GPA 3.62/4.0