

Thomas Sepanosian

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Education

MSc Enterprise Architecture (Cum Laude) – University of Twente / UNSW	2024 – 2026
BSc Computer Science – University of Twente	2021 – 2024
C2 Bilingual English – Cambridge English Assessment	2020

Experience

Software Engineer SSW Jan 2026 – Apr 2026

- Contributed to TinaCMS, an open-source content management system.
- Participated in daily scrums as part of an Agile development team.

IT Project Coordinator Pre-U (University of Twente) Aug 2023 – Jul 2024

- Reduced manual workload by automating task assignment and training registration.
- Led recruitment, interviewing, and onboarding for new team members.
- Acted as the bridge between student developers and university leadership.
- Managed the roadmap to adapt the system to changing organizational needs.

Research Assistant (IoT) University of Twente Jun 2024 – Dec 2024

- Authored an executive report summarizing feasibility findings.
- Conducted semi-structured interviews with stakeholders to gather qualitative data.
- Performed gap analysis between business requirements and technological capabilities.

Traineeship Coordinator Pre-U (University of Twente) Nov 2022 – Aug 2023

- Recruited and onboarded 6 trainees.
- Oversaw professional development and organizational integration of new hires.

Research Assistant (AI) University of Twente Jun 2023 – Oct 2023

- Developed a client-server solution for the board game 'Hex'.
- Investigated the impact of Generative AI tools (Copilot) on CS education workflows.

Projects

Smart Lasertag System

- Engineered a Java backend capable of handling real-time game state synchronization.
- Implemented indoor localization using Bluetooth Low Energy (BLE) beacons.
- Developed an Angular dashboard hosted on AWS for live game configuration and scoreboards.
- Created the Android client app serving as the player interface.

Boxing Gesture Recognition System

- Achieved real-time recognition of defensive boxing gestures.
- Integrated earable devices (OpenEarable) for motion data capture.
- Developed a dashboard for performance analysis and training feedback.

Publications

- ☑ Stashevskaja, et al. – *Semantic Microservice Middleware Architecture for BIM/ERP/IoT integration*
- ☑ Sepanosian, T., et al. – *Scaling AI Adoption in Finance: Modelling Framework and Implementation Study*
- ☑ Sepanosian, T. and Bemthuis, R. – *IoT Multi-Agent Simulation for Construction Safety*
- ☑ Straus, et al. – *SHAP-Based Defense Mechanism Against Adversarial Attacks in P2P Credit Risk*
- ☑ Sepanosian, T., et al. – *An IoT-Based Architecture for Real-Time Emission Monitoring at Construction Sites*
- ☑ Sepanosian, T. and Incel, O. – *Boxing Gesture Recognition Dashboard Integration*
- ☑ Sepanosian, T. and Incel, O. – *Boxing Gesture Recognition in Real-Time using Wearable IMUs*
- ☑ Sepanosian, T. and Milosevic, Z. – *Toolchain for Formally Capturing and Monitoring Agent Accountability*