



Nay Htet Lin

Arbeitserlaubnis: deutsch | **Geschlecht:** männlich | **Telefonnummer:** (+49) 15778737279 (Mobiltelefon) |

E-Mail-Adresse: nayhtetlin.ytu@gmail.com | **Website:** <https://nayhtetlin1996.github.io/> | **LinkedIn:** <https://www.linkedin.com/in/nay-htet-lin-3961a0180/> |

Adresse: Luther street 12a, 04315, Leipzig, Deutschland (Privatwohnsitz)

BERUFSERFAHRUNG

AVICOMP CONTROLS GMBH – LEIPZIG, DEUTSCHLAND

HARDWARE-PROJEKTINGENIEUR – 06/05/2025 – 10/11/2025

- Entwarf und entwickelte Schaltschrankanlagen für die Steuerung und Überwachung von Kompressorsystemen unter Einhaltung elektrischer Vorschriften und zur Gewährleistung der Systemzuverlässigkeit.

ST ENGINEERING URBAN SOLUTIONS LTD – SINGAPORE, SINGAPUR

INGENIEUR FÜR STEUERUNGSSYSTEME – 22/08/2022 – 02/08/2024

- Entwarf und implementierte Steuerungssysteme für Bahnsteigtüren (PSD) in Bahnprojekten unter Gewährleistung von Sicherheit, Zuverlässigkeit und Einhaltung internationaler Standards.
- Unterstützte alle Phasen des Projektlebenszyklus – von der Entwurfsdokumentation bis zu FAT-Tests und Kundenschulungen.

AVICOMP SINGAPORE PTE LTD – SINGAPORE, SINGAPUR

ANWENDUNGSDINGENIEUR – 18/08/2020 – 17/08/2022

- Entwickelte Steuerungspanels und Systemarchitekturen unter Einhaltung internationaler Sicherheits- und Zertifizierungsstandards.
- Erstellte detaillierte elektrische Schaltpläne, Klemmenpläne und Stücklisten (BOM) und führte System-FATs gemeinsam mit Kunden durch.

SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN – SINGAPORE, SINGAPUR

VISITING FELLOW – 25/07/2019 – 24/07/2020

- Mitarbeit in der Robotik-Forschung und -Entwicklung an Robotern zur vertikalen Fortbewegung für die Inspektion von Schiffen und Flugzeugen.
- Entwurf der elektrischen Integration und Steuerungssysteme für Roboterprototypen sowie Unterstützung bei Feldtests.
- Mitverfasser von wissenschaftlichen Publikationen und eines patentierten Projekts zu autonomen Schiffswartungsrobotern.

ALLGEMEINE UND BERUFLICHE BILDUNG

16/08/2024 – 31/08/2026 Kaiserslautern, Deutschland

MASTER OF SCIENCE RPTU Kaiserslautern - Landau

Website <https://rptu.de/> | **Studiengang** Automation and Control

03/12/2012 – 10/10/2018 Yangon, Myanmar/Birma

BACHELOR OF ENGINEERING Yangon Technological University

Website <https://ytu.edu.mm/> | **Studiengang** Electronic Engineering

KOMPETENZEN

WSCAD | Eplan | Autodesk AutoCAD/Autodesk SketchUp | COMOS | C/C++ | Matlab/Simulink | Beckhoff TwinCAT | Siemens TIA Portal | HMI development | PLC Programming (Structured Text, Ladder, FBD, IL, SFC) | Industrial protocols (Profinet, Profibus, Modbus, CANopen, EtherCAT) | Industrial Communication Networks | Logic Control, Soft Control, Non-linear and Adaptive Control | Energy Management Systems for Electric & Hybrid Vehicles | Theoretical and Experimental Modelling

PUBLIKATIONEN

[**Automatic vehicle license plate recognition system for smart transportation**](#)

[**Sparrow: A magnetic climbing robot for autonomous thickness measurement in ship hull maintenance**](#)

[**Adhesion Risk Assessment of An Aircraft Inspection Robot for Improving Operator Awareness**](#)



Nay Htet Lin

Pass: EU Blue Card holder | **Gender:** Male | **Phone number:** (+49) 15778737279 (Mobile) | **Email address:** nayhtetlin.ytu@gmail.com | **Website:** <https://nayhtetlin1996.github.io/> | **LinkedIn:** <https://www.linkedin.com/in/nay-htet-lin-3961a0180/> |
Address: Luther street 12a, 04315, Leipzig, Germany (Home)

WORK EXPERIENCE

AVICOMP CONTROLS GMBH – LEIPZIG, GERMANY

HARDWARE PROJECT ENGINEER – 06/05/2025 – 10/11/2025

- Designed and developed **control cabinets for compressor control and monitoring systems**, ensuring electrical compliance and system reliability.

ST ENGINEERING URBAN SOLUTIONS LTD – SINGAPORE, SINGAPORE

CONTROL SYSTEM ENGINEER – 22/08/2022 – 02/08/2024

- Designed and implemented **control systems for Platform Screen Doors (PSD)** in rail projects, ensuring safety, reliability, and compliance with international standards.
- Supported **project lifecycle activities** from design documentation to FAT testing and customer training.

AVICOMP SINGAPORE PTE LTD – SINGAPORE, SINGAPORE

APPLICATION ENGINEER – 18/08/2020 – 17/08/2022

- Engineered **control panels and system architectures** in compliance with international safety and certification standards.
- Prepared **detailed electrical schematics, terminal diagrams, and BOMs**, and conducted system FATs with clients.

SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN – SINGAPORE, SINGAPORE

VISITING FELLOW – 25/07/2019 – 24/07/2020

- Contributed to **robotics R&D** on vertical surface propagation robots for ship and aircraft inspection.
- Designed **electrical integration and control systems** for robotic prototypes and supported field testing.
- Co-authored publications and a **patented project** on autonomous ship-maintenance robotics.

EDUCATION AND TRAINING

16/08/2024 – 31/08/2026 Kaiserslautern, Germany

MASTER OF SCIENCE RPTU Kaiserslautern - Landau

Website <https://rptu.de/> | **Field of study** Automation and Control

03/12/2012 – 10/10/2018 Yangon, Myanmar/Burma

BACHELOR OF ENGINEERING Yangon Technological University

Website <https://ytu.edu.mm/> | **Field of study** Electronic Engineering

SKILLS

WSCAD | Eplan | COMOS | PLC Programming (Structured text, Ladder, FBD) | C/C++ | Autodesk AutoCAD/Autodesk | Industrial Communication Networks | Logic Control, Soft Control, Non-linear and Adaptive Control | Energy Management Systems for Electric & Hybrid Vehicles | Theoretical and Experimental Modelling

PUBLICATIONS

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LANGUAGE

Burmese : Native

English : C1

German : B1