

# Michael Udo Thamm

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## Professional Experience

- Since 10/2022 **DevOps Engineer**, *riskine, Austria*
- Managed 28 Linux servers with ~ 30 projects and 200 resolved tickets
  - Managed database migrations and CI/CD projects as a Global System Administrator
  - Piloted the integration of Microsoft Intune MDM/MAM and Terraform Azure AD provisioning
  - Integrated Traefik/Keycloak SSO, authentication flows and scalable system architecture
  - Substantial work with Git, GitLab, Docker, Python, Kubernetes, AWS IAM
- 08/2021 - 08/2022 **Software Developer**, *Kinarm, Canada*
- IT responsibilities and Java/Python backend programming ~ 5 projects and 44 resolved tickets
  - Assembly and integration of Linux Ubuntu and Windows Server 2022 host servers
  - On-site installation and collaboration with neuroscience researchers using Kinarms
- 08/2018 - 07/2021 **Controls Specialist**, *Brave Control Solutions, Canada*
- IIoT asset data collection project for Ford using MQTT broker and Siemens Simatic IPC
  - ABB Robot programming in Rapid to synchronize adaptive welding
  - Commissioned mechatronic projects across Mexico, USA, Canada
- 05/2017 - 08/2017 **Controls Design - Intern**, *University of Windsor, Valiant Machine & Tool Inc., Canada*
- PLC programming of weld cells using Rockwell, RSLogix
- 06/2016 - 08/2016 **Electrical Assembly**, *EnerQuest, Canada*
- Assembled high voltage E-Houses for high power transmission (30 kV)

## Education

- 08/2019 - 05/2023 **Ma.Sc. - Electrical & Computer Engineering (Part-Time)**  
*Charge Labs - University of Windsor, Canada*
- Working within a Tier 1 Canada research chair lab for electrified vehicles
  - Python multi-objective genetic algorithm optimization of high-speed linear induction motors
  - 4-month courses on optimization foundations (neural networks) and vision systems
- 08/2015 - 08/2019 **Ba.Sc. - Electrical & Computer Engineering, Minor in Mathematics**  
*University of Windsor, Canada*
- Capstone Project - Linear induction motor integration for SpaceX-Hyperloop competition

## Related Experience

- 05/2017 - 07/2020 **Propulsion Team Lead (University of Windsor Team)**, *SpaceX - The Hyperloop Pod Competition, USA*
- Weekly design reviews with SpaceX engineers and was congratulated personally by Elon Musk
  - Led a team of engineering students to rank among the top 21 finalists worldwide
  - 2 years of Python programming for integration and optimization of propulsion system

## Language Skills

English - C2

German - C1

French - A2

Spanish - A2

## Profile of Technical Skills

Programming	Python, Java, C++, MATLAB, Powershell, Bash, PHP, Golang, PLC (Siemens, Rockwell)
Dev Tools	Version Control (Git, Subversion), Virtualization (VMs, Docker), CI/CD (GitLab CI, GitHub Actions), IaC (Terraform), Kubernetes
Cloud Software	Azure Stack, GitHub, GitLab, AWS IAM, Jira/Confluence, Keycloak, Traefik
Operating Systems	Linux (Ubuntu Server & Desktop, Raspbian, Kali), Windows (Server 2012, 2016, 2022)
Engineering Tools	ANSYS Electronics, Fusion 360, 3D-printing, Raspberry Pi, Arduino