VIET PHAM

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EDUCATION

M.Sc. Computer Science, University of Tübingen — Since 10/2024

Semester Abroad, University of Adelaide, Australia — 02/2024 - 07/2024

B.Sc. Computer Science, University of Stuttgart — 10/2019 - 09/2023

WORK EXPERIENCE

Working Student at Robert Bosch GmbH, Reutlingen — Since 04/2026

- Developing an RAG pipeline to automate vulnerability triage for iOS, Android and REST API security assessments
- Extracting true positives from pentest reports and reducing manual analysis effort
- Generating security reports using Nessus to report security bugs

Founding Engineer at Medora Care, Stuttgart — Since 02/2026

- Developed a medication management platform for German care facilities
- Designed multi-stage CI/CD pipelines in GitHub Actions with caching and separate workflows for linting, testing, security scanning and deployment, using uv
- Built deployment pipelines shipping Docker images from CI through GHCR onto remote servers via SSH, with health checks and automatic rollback
- Maintained repo hygiene: branch protection, automated dependency updates, pre-commit hooks, secret-scanning gates

Internship at ANDRITZ Schuler GmbH, Göppingen — 10/2025 - 03/2026

- Built CI/CD pipelines with Podman and GitHub Actions for containerized build
- Set up and evaluated a locally hosted Qwen3-Coder for internal development use
- Implemented automated visual defect detection using Gemini 3.1 Flash
- Debugged Go code related to network communication

Student Research Assistant in Robotics at Fraunhofer IPA, Stuttgart — 10/2023 - 01/2024

- Built automated, headless Isaac Sim pipelines for synthetic data generation
- Provided datasets for training robotic arm models

PROJECTS

Contribution to GitHub Repository LiteLLM (Pull Request 3630) — 04/2024 - 07/2024

- Automated price updates in LiteLLM via a Python script
- Implemented additional features based on user requests
- Successfully merged on GitHub

Bachelor's Thesis in Natural Language Processing, Grade 1.3 — 06/2023 - 12/2023

- Automated the analysis of theory development in social science literature
- Fine-tuned ML models including BERT, ColBERT and DocBERT
- Processed, visualized and interpreted training data in Python

SKILLS

CI/CD:	GitHub Actions, Jenkins, Docker, Podman
Containers & Orchestration:	Docker Compose, Docker Secrets, Kubernetes (EKS)
Cloud (AWS):	EC2, Lambda, API Gateway, EKS, RDS, IAM, CloudWatch
Infrastructure as Code:	CloudFormation, eksctl, Kubernetes Manifests
Security Tooling:	Trivy, Semgrep, Gitleaks, Nessus, OWASP ZAP, Burp Suite
Programming Languages & Tools:	Python, uv, Bash, Linux, Git
Languages:	German (native), English (C1), Vietnamese (B2)