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EDUCATION

- **RWTH Aachen University** Aachen, Germany
  B.Sc Computer Science *Oct 2022 – Present*
  - **Expected Graduation**: Oct 2025

- **Assumption College** Bangkok, Thailand
  High school in Science-Engineering degree, GPAX;3.7 *Jun 2019 – Mar 2022*

EXPERIENCE

- **Redcare Pharmacy** Cologne, Germany
  Working student *Aug 2023 - Present*
  - **KIM-broker API**: Developed tools to streamline the processing of KIM and TIM messages into the RabbitMQ server, enhancing message handling efficiency.
  - **eRX progression**: Built a script to automate daily reporting on e-prescription usage and active pharmacy activity in the RCP, delivering data insights and analysis to the team.
  - **Requirement engineer**: Designed and implemented various tools and scripts to optimize data processing, improving team efficiency and workflow automation.

- **SPACE AC** Bangkok, Thailand
  Software Engineer *Oct 2020 - Mar 2022*
  - **SPOROS - parachuteless payload**: Can-Satellite with 2 autorotating payload and groundstation in Anual Cansat competition 2021, 3rd place.
  - **Passenger balloon**: High altitude weather balloon satellite and long range communication collecting data at the peak altitude of 28 km and 40 km.
  - **Alien Cansat**: Can-Satellite with thermal camera design to analyse the corelation of pm2.5 and heat.
  - **Mentoring**: Mentoring a new comer, design training protocol, and overseeing their role and contributes to the overall success of the organization.

PROJECTS

- **N-body Simulation**: Simulation to model planetary interactions, leveraging parallel processing with OpenMP
- **Particle life**: Simulation of particle interactions using an attraction force matrix, with OpenMP.
- **Sparse Matrix vector multiplication**: HPC application for matrix-vector multiplication in CLIAX, with OpenMP.
- **Automated story**: Script use to fetch stories in reddit and create a short to post in youtube.
- **RWTH calendar mapper**: Automation for mapping university calendar to google calendar
- **Blade defects processing**: Detect defects on the shaving blade from Philips in Fraunhofer Hackathon 2023, 2nd place
- **Asclepius**: Prototype of AI designed to translate ASL to english text. in APAC Microsoft Hackathon 2022, 1st place
- **Web portfolio**: Personal website for showcasing my work, skill and previous education and expreience
- **Secret santa**: A website designed to pick individuals in a Secret Santa gift exchange without selfloop.

PROGRAMMING SKILLS

- **Language**: Python, C/C++, Java.

- **Technology**: Git, Github, Linux, Windows

- **Web development**: Typescript/Javascript, HTML/CSS, Next.js, React, Sass, yarn, Prisma.js

LANGUAGE

- **Thai**: Native speaker **English**: C2 proficiency **German**: C1 proficiency