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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.

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*

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.
- **SPOS**: Create a OS for ATMEGA385 microchip with AVR library in C.
- **RWTH calendar mapper**: Automation for mapping university calendar to google calendar
- **Blade defects detection**: Detect defects on the shaving blade from Philips in Fraunhofer Hackathon 2023, 2nd 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.
- **Asclepius**: Proof of concept for AI designed to translate ASL to english text. in APAC Microsoft Hackathon 2022, 1st place
- **SPACE AC** — Bangkok, Thailand
  Software Engineer — *Oct 2020 - Mar 2022*
  - **SPOROS - parachuteless payload**: CanSat 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.

PROGRAMMING SKILLS

- **Language**: Python, C/C++, Java, Haskell
- **Tools & Framework**: Git, Github/Gitlab, Jupyter, Cuda, OpenMP, Docker, Linux, Windows
- **Database**: SQL, Postgresql, MongoDB
- **Web development**: Typescript/Javascript, HTML/CSS, Next.js, React, Sass, Yarn, Prisma.js, Vercel

LANGUAGE

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