

## EXPERIENCE

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### **Redcare Pharmacy** | *Working student*

Aug 2023 - Present

- Developed automation tools to monitor and report frequent updates from Gematik regarding E-prescription requirements and structure, while automating daily and monthly reminder for key events, keeping the team informed and reduce manual effort.
- Established a dedicated testing environment for validating E-prescriptions, enabling early detection of compliance issue and improving development accuracy
- Created tools for data refactoring and bulk editing of E-prescriptions, including type conversion and field modification—streamlining test case generation and accelerating development process
- Create a script to extract and process information from the E-Health card data from the terminal device, convert it to a dedicated format and pass along to the team to use in testing and validation workflows

## EDUCATION

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### **RWTH Aachen University** | *B.Sc Computer Science*

Oct 2022 – Sep 2025

- **Thesis:** Evaluating Automated Memory Management Strategies for Heterogeneous Architectures using Microbenchmarking

## PROJECTS

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### **HPC Application** | *C++/OpenMP*

Oct 2024 - Jan 2025

- Collaborated in team of three to modified serial version of Sparse Matrix vector multiplication, Merge sort, and K-mean clustering to utilise the full potential of a cluster with parallel programming in OpenMP.

### **Asclepius, ASL translator** | *Python/OpenCV/Tensorflow*

Mar 2022 - Jun 2022

- Collaborated in a team of five to develop a program to translate American sign language to text. **1<sup>st</sup> Place** at the **APAC Microsoft Hackathon 2022**.
- Leading the development, responsible for project planning team coordination and designing the core machine learning model.

### **SPACE AC** | *Software Engineer*

Oct 2020 - Mar 2022

- **SPOROS** | *Arduino/C/Python/Qt5* Nov 2020 - Jul 2021
  - Develop a Cansat with 2 autorotating payload and groundstation. CanSat acting as a relay hub for the payload increasing the communication range in **Annual Cansat competition 2021, 3<sup>rd</sup> place**.
  - Responsible for the software of the entire operation along with designing the communication protocol in the mission.
- **Passenger Balloon** | *Arduino/C/Python* Oct 2020 - Mar 2022
  - Develop a series of High Altitude balloon long range cubesat device designed to collect atmospheric data.
  - Responsible for planning internal system and developing a software of the cubesat to collect and send the data back to the ground station.
- **Mentoring** | *Arduino/C/Python* Oct 2021 - Mar 2022
  - Created a structured course and mentored new team members by providing hands-on training in fundamental programming, including the tech stack and guiding them through the complete development workflow.

## EXTRA CURRICULUM ACTIVITIES

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### **Thai Studentenverein in Deutschland**|*Technical support*

Apr 2023 - Apr 2025

- Supported event organization for Thai students in Germany during events and maintained the organisation's website

### **Assumption College Interact Club**|*President*

May 2020 - Mar 2022

- Led a student-run volunteer club supported by The **Rotary International**, Organized annual events and initiated collaborative community service projects with other club

## TECHNICAL SKILLS

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- **Language:** Python, C/C++, Java
- **Framework:** CMake, CUDA, OpenMP, MPI, Pytorch

## LANGUAGE

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- **Thai:** Native speaker
- **English:** Working Proficiency
- **German:** C1 proficiency - able to communicate effectively in daily work settings and meetings.