

Jonathan Linder

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EDUCATION

Master of Science in Computer Science & Engineering

Aug. 2023 – June 2025 (Expected)

Chalmers University of Technology

Gothenburg, Sweden

- GPA: 4.2/5.0
- Coursework include: Algorithms, Programming Language Technology, Logic, Deep ML, Adv.topics in ML, etc.

Bachelor of Science in Computer Science & Engineering

Aug. 2020 – June 2023

Chalmers University of Technology

Gothenburg, Sweden

- GPA: 3.7/5.0
- Coursework include: Embedded and Machine-Oriented Programming, parallel programming, Databases, etc.

PROJECTS

M.Sc. Thesis - Contrastive Learning for Molecular Representation (ongoing) | *Python, LLM, Pipelining*

AstraZeneca

- Developing an automated data pipeline in python for pre-processing, augmentation and model validation to enhance accuracy for molecular generative tasks.
- Integrating contrastive learning techniques to enhance AstraZeneca's REINVENT framework to increase ability to recognize molecular equivalence across SMILES representations.

B.Sc. Thesis - Open-Source github performance bot | *Java, Github Actions, Docker*

- Bachelors thesis at the Department of Computer Science and Engineering, centered around developing an open-source tool for integrating performance testing in a continuous pipeline for Java environments
- Using tools such as **JMH** together with **webhooks** through github actions to assess performance on repo pull-requests, and was further responsible for constructing a performance visualization feature

Embedded Alarm System in C | *C, STM32, MD407, CAN*

- Group project developing a modular and customizable alarm system built in **C** with the STM32 standard library, using **MD407** over **CAN** as basic hardware. Developed unit architecture and data logic
- The system supports configurable alarms for the detection of vibration, movement, and door opening, as well as administrative access with pin code and pin configuration.

SKILLS

Programming Languages: C, C++, Python, Java, GO, SQL, HTML, CSS, Haskell

Frameworks & Tools: GCC, CMake, Unix, Git, TensorFlow, PyTorch, Docker

Languages: Swedish (Native), English (Fluent)

EXPERIENCE

Software Developer - Consulting

Aug. 2025 – Ongoing

Combitech AB

Gothenburg, Sweden

- Software developer consultant at Combitech AB. Currently assigned at Ericsson's baseband software development area in 5G tele-communications.
- **End-to-end** Embedded application development in **C**. Handling & scheduling of resources for user- & control data in time-critical systems.
- Responsible for assisting early solution development, feature implementation, testing and feature verification.

Warehouse Support

June 2024 – Aug. 2024

Postnord TPL AB

Jönköping, Sweden

- Provided support for international retail customers regarding Husqvarna AB products. Contributed with freight weight control, item specifications and warehouse inventory on request.
- Assisted in-house with warehouse optimization and efficiency through optimal storing, managing inventory and placing item requests.

Head of PR and Information

June 2023 – July 2024

Programkommittén PU, Chalmers Student Union

Gothenburg, Sweden

- Served as Head of Information and PR for 20+ events, overseeing event marketing, communication with partnering committees and PR strategies. Designed and distributed posters and banners.
- Arranged cinemas and tastings in the student union building for almost **450 guests**, planned and organized large scale concerts at Chalmers campus.

Head of Entertainment and Light/Sound

April 2022 – May 2023

The Festivities Committee (D6), Chalmers CSE

Gothenburg, Sweden

- Organized events such as parties/bar service and sittings for students at Chalmers night club. Managed service for **100+ guests, event logistics, and bartending.**
- Oversaw entertainment, lighting, sound, bookings and technical setup for said events.