

# Jonathan Nguyen

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## Engineering Physicist

A Chalmers University of Technology first year student who is currently enrolled in the Engineering Physics program. My interests lies in quantitative subjects with a strong sense of problem solving such as physics, math which i absolutely adore but also coding. I spend my free time learning more math and physics, but also play chess and hang out with friends. Searching for a engaging and varied job where problem solving tools are applicable as well.

## Education

### Chalmers University of Technology

Gothenburg, Sweden

Bachelor's in Engineering Physics

Aug 2023 - Jun 2028 (Expected)

- 1st year into my Engineering degree of 5 years, where 3 years Bachelors and 2 years Masters
- A degree that focuses on mainly problem solving through physics and mathematics but also through programming.
- **Courses:** Object-Oriented Programming, Linear Algebra, Introduction to Computer Engineering, Introductory Mathematical Analysis, Data Management, Machine-Oriented Programming, Multivariable analysis, Python programming etc

## Work Experience

### Jysk

Oskarshamn, Sweden

Salesman

Feb 2021 - Aug 2022

- Customer service, how to deal with different kinds of people and adjust to the situation.
- Courses in sale. Learned what questions to ask and when to stop and keep pushing on a sale.
- **Soft Skills:** Teamwork, Communication, Presentation skills, Customer Service, Selling, Social Adaptability

### Leexer

Gothenburg, Sweden

Private Teacher

Feb 2023 -

- Tutoring students between 14-19 in high school and below
- Planning the lectures and presenting in mostly physics and math.
- Much adjusting and adapting to different students. Taught me to better interact and plan depending on the person/group
- **Soft Skills:** Planning, Communication, Presentation skills, Teaching, working with younger people,

### Veoneer

Vårgårda, Sweden

Machine Operator

May 2023 - Aug 2023

- Responsible for testing car cameras, which are produced for BMW, Volvo etc
- Tested around 450 cameras/hours and was the last test station before assembling
- **Soft Skills:** Teamwork, Communication, Big responsibility

## Projects

### Electromagnetic Canon

Oskarshamn, Sweden

Oscarsgymnasiet/Linköping University

Aug 2021 - May 2022

- High School project made in collaboration with Linköpings University
- Able to shoot magnetic objects at different speeds by varying independent variables and using laws of electromagnetism
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing, experimental physics

### Alcohol Soundcheck

Gothenburg, Sweden

International Physics Tournament

October 2023 - December 2023

- Experimental physics problem for IPT, researched why hitting a bottle with alcohol flipped upside down damped the sound
- Recorded the sound waves, extracted the data and manipulated it to get a visualization representation of the phenomena and trying to explain it with math.
- Made use of FFT, lorentizan curves, matplotlib and numpy for visualization, PSD and more
- **Soft Skills:** Experimental physics, Python, Matplotlib, Numpy, FFT algorithm, Data visualization, Data manipulation

## Skills

**Programming** Python, Java, C, SQL, NoSQL, Assembly

**Miscellaneous**  $\LaTeX$ (Overleaf), CAD, Terminal, Experimental problem solving, Object-oriented programming, Numerical method programming

**Soft Skills** Time Management, Teamwork, Problem-solving, Report Writing, Social Adaptability, Sales, Communication

**Language** Swedish, English, Vietnamese