

# Gustav Gille

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[www.gustavgille.com](http://www.gustavgille.com)

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## PROJECTS

- [ClaudesLens](#)  
Developed a theoretical model using iterated Gaussian noise to enhance neural network prediction accuracy by quantifying uncertainties. Computer vision.
  - [gustavgille.com](http://gustavgille.com)  
Launched a VPS hosted in Germany with HTTPS and SSL linked to a personal domain. Implemented with vanilla CSS, JavaScript, and HTML.
  - **Fourier Series**  
Implemented a Fourier series approximation to model the dynamics of weight removal from a beam. An interactive version is available on my website.
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## EDUCATION

- **Master's** in Mathematical Engineering & Computational Science  
Chalmers University of Technology, 2024-present
  - **Bachelor's** in Software Engineering with Bachelor of Science in Mathematics  
Chalmers University of Technology, 2021-2024
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## EXPERIENCE

- [Research assistant](#), Computing Science 2025 – present  
Examining underlying structure in specific neural networks for generative artificial intelligence.
  - **Teaching Assistant**, Fundamental Computer Science, 2023-2024  
Taught students and graded coursework in foundational computer science.
  - **Speaker**, IT Recruitment Group, 2023-2024  
Delivered presentations to audiences exceeding 100 students and conducted coding tutorials for high school students, covering algorithms, neural networks etc.
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## PROGRAMMING & SKILLS

- **Python** (4 years): Algorithms, PyTorch, Matplotlib, ODE, PDE, FEM
  - **Misc. attributes** (2-3 years): JavaScript, HTML, CSS, SQL, APIs, C, Java, Assembler, MATLAB, AGILE, Git, SSH, SHELL, Linux. Financial mathematics
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## Links

[Personal Website](http://www.gustavgille.com) | [Academic Publication](#) | [LinkedIn](#)

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## REFERENCES

Available upon request (Elenore Vårhall, ...)