

Jeppe Klitgaard

Bachelor of Science, Physical Natural Sciences

- February 6th, 1997
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Social Network —

Jeppe Klitgaard



JeppeKlitgaard

Languages ·

- Danish
- **English**
- German

Hard Skills -

- Programming
- Data Science
- **Physics**
- Mathematics
- Electronics

Soft Skills -

- Problem solving
- Teamwork
- Dependability
- Earnestness

Introduction

Ambitious student with interests in Natural, Computer & Data Sciences, as well as Society & Culture.

I have a teachable and well-rounded profile with experience in organisational, technical, and academic work through a variety of activities including political work, board work in Denmark's Academy of Talented Youth and the Nordic Study Abroad Community, participation in the European CanSat Competition & internships within FinTech, academia, and industry.

Work Experience

2022 -**Research and Development Scientist**

Research and development pertaining to Nuclear Magnetic Resonance applied to the Tveskaeg & system. Design and manufacturing of an automated hardware platform to precisely map the local magnetic field inside 1 T Halbach array magnet to improve passive shimming outcomes. Initial work on novel in-situ calibration routine of high-precision Hall Effect sensors using NMR frequency

2021 **Research Intern** **University of Cambridge**

10-week summer internship with Prof. Pietro Cicuta & and Prof.

Pietro Liò & at University of Cambridge.

Developed and designed CartER o, an open-source and openhardware physical and simulated cartpole platform for experimentation and investigation of reinforcement learning algorithms.

2020 **Software Engineering Intern**

8-week summer internship in a London-based FinTech startup. Introduced and authored a variety of Python projects dealing with REST API development, data processing and created a streaming

data pipeline in Kafka/Faust.

Jan. 2018 -**Substitute Teacher** Ans & Grauballe Skole

Sep. 2019 Fixed temporary position in Ans Skole's Special Education section.

Also worked as a regular substitute teacher in the public school section. Primarily taught STEM and English, ages 13 - 16.

2016 - 2019

Language Camp Organiser and Rejsby Europæiske Efterskole

Teacher

Education

Higher Education

2019 - 2022 **BA (Hons) Natural Sciences** **University of Cambridge, UK**

Bachelor of Science in Physical Natural Sciences with subject

choices being Physics and Mathematics.

Student Representative at Cavendish Laboratory (years 1 - 3).

Secondary Education

2014 - 2017 **Danish STX** Silkeborg Gymnasium, Denmark

Master Classes in Mathematics, Physics, and Chemistry. Part of

Studentereksamen (STX) with Physics A, Chemistry A, Mathematics

the CanSat competition team.

GPA: 12.2 / 12.0 (extra credit).

2014 - 2017**Academy of Talented Youth**

Extracurricular organisation providing advanced classes, lectures, and camps for academically gifted students in collaboration with

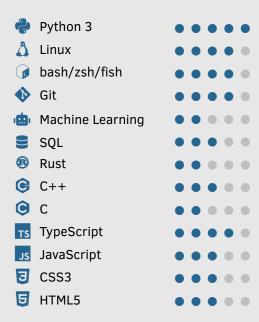
universities and leading companies.

Student Representative to the Advisory Board. Represented ≈200 of the region's most talented students and helped set out new initiatives for the organisation.

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Programming



Design

P.	Fusion 360	•	•	•	•	
Θ	Cura	•	•	•		
*	KiCad 6	•	•	•		

Technologies

Matplotlib	Faust	Async			
Django	Jupyter	Mkdocs			
FastAPI	REST	Scrapy			
Apache Kafka	Dock	er Pandas			
Scipy	Numpy	LMFIT			
*NIX De	bian	Git LaTeX			
Eigen3	PyTorch	Arduino			
PlatformIO	Serial	Tensorboard			
stable-baselines3 PettingZoo					
Jsonnet	Traefik 2	MathJax 3			
Unicode Continuous Integration					
Protocol Buffers Jax					

Awards

2021

2022 -

	•
2017	Recognition of Extraordinary Silkeborg Gymnasium, Board Community Effort
2017	Recognition of Extraordinary Academic Silkeborg Gymnasium, Board Achievement
2015	3 rd place at European CanSat Competition European Space Agency

Dept. Physics, Cambridge

OpenMoji

1st place in Research Skills Presentation

Other Certifications

2014 IGSCE - English As A Second Language Cambridge Examinations A*(a*) grade

Open Source Contributions

Font Compilation Tooling

Development of a dockerised font compilation toolset that enables compilation of vector files into color-fonts in a variety of formats using Google's nanoemoji tool.

2022 – Continuous Integration and Release Tooling
Tooling to build PyFFTW using GitHub Actions on various platforms.

2013 – Personal Projects and Smaller Contributions

GitHub Profile
Throughout most of my adolescent and adult life Tive contributed.

Throughout most of my adolescent and adult life I've contributed to various Open Source projects and authored a wide variety of different projects. Most of this activity can be found on my GitHub profile.

Association and Voluntary Work

2018 – Chair of the Board Nordic Study Abroad Community
Chair of the Board 2023 onwards, Senior Advisor and Member of the Board 2021 – 2022, Director 2019 – 2021, Organiser 2018 – 2019.

Providing guidance and expertice to the NSAC team. Previously
Thave worked with website development, internal IT setup and

Providing guidance and expertice to the NSAC team. Previously I have worked with website development, internal IT setup and organisation of the annual Nordic Study Abroad Conference.

2015 Senior Mentor The Science Club, Royal Danish Academy of Sciences
Taught primatology to school children in collaboration with Aarhus
University

Youth Politician

Social-Liberal Youth Party of Denmark

Active board member in the local organisation. Elected as representative to the National Executive of the Social-Liberal Youth Party of Denmark.

References

2014 - 2016

2021	Research Intern University of Cambridge
	Letter of recommendation available upon request.
2020	Software Engineering Intern Intropic Limited Letter of recommendation available here: \Box intropic.pdf \varnothing .
2018	Teacher Letter of recommendation available here: \triangle ans_skole.pdf \mathscr{O} .

Other Documents

Academy of Talented Youth

Cambridge Examinations

European Space Agency

Royal Danish Academy of Sciences

Silkeborg Gymnasium

Silkeborg Gymnasium

Silkeborg Gymnasium

Silkeborg Gymnasium

Academy of Talented Youth

Adiploma_IGCSE_english.pdf

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Adiploma_science_club.pdf

Award_community_effort.pdf

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