JOCHEM LANGEN

Physics student & representative at Durham University

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📍 Durham, United Kingdom in linkedin.com/in/jochem-langen-7b89a619a/
⌨ github.com/JochemLangen/JWHL-Phys

EMPLOYMENT

Research Analyst (Intern)
EnAppSys Ltd

📅 Jun 2020 – Aug 2020 📍 Stockton-on-Tees, UK

- Summer Internship doing economic research; collecting, processing & analysing data on the European Energy market, supported by stand-ups and project presentations.
- The project on renewable energy subsidies included web- & correspondence based research with Excel data analysis and Latex-based report writing; for use in data modelling and consultancy services.

Waiter, bartender & host
't Raadhuis Wanroij

📅 Aug 2015 – Ongoing 📍 Wanroij, NL

- My whole year part-time and often full-time holiday job.
- Providing a range of services in a flexible role as waiter, bartender, events host, kitchen help, chip-shop cook, cleaner and secretary.
- Having been on the work outings team I organised two-day getaways, concert trips and evenings out.

Part-time jobs
📅 2013 - 2017

- **Stock Clerk**: Jan Linders, Mill, NL; Oct 2016 - Mar 2017
- **Farm Hand**: Veldboer Bloembollen BV, Wilbertoord, NL; Summers of 2014 & 2015
- **Newspaper Carrier**: Gerritsma Reclame & Verspreiding, Mill, NL; Sep 2013 - Dec 2014

INVOLVEMENT

European Space Agency SYT researcher
📅 Oct 2020 - Q4 2021 📍 Noordwijk, NL

- Extra-curricular research thesis on Near Field Acoustic Levitation in the ESA Large Diameter Centrifuge, representing Durham with 2 other students and 3 endorsing professors; part of the ESA Spin Your Thesis programme.
- Includes high-value & -precision experimental set up acquisition & development, pressure & acoustics theoretical analysis, research training, scientific reports & articles and media outreach (incl. social media, conferences, presentations & newspapers).

Mixed & Men's Lacrosse player
Stephenson College & Team Durham, Durham University

📅 Oct 2019 & Oct 2020 – Ongoing 📍 Durham, UK

ABOUT

"Being an international student in Physics and having been working from the age of 12, I am armed with a strong (team)work ethic, sense of responsibility and independence. I value perfection, innovation and proactivity."

EDUCATION

Master of Physics
Durham University, United Kingdom

📅 Oct 2019 – Jul 2024 🏛 40% to pass

Year one:

Introduction to Astronomy	90%
Discovery skills in Physics	76%
Foundations of Physics I	89%
Calculus I	90%
Linear Algebra I	91%

VWO, Cum Laude, Nature & Technology stream
Elzendaalcollege Boxmeer, Netherlands

📅 Aug 2012 – Jul 2019 🏛 5.5 to pass

Physics	10/10
Chemistry	9/10
Mathematics B	10/10
Mathematics D	9/10
Economics	10/10
Computer Science	9/10
CPE English	9/10
French	9/10
Dutch	8/10
Combined: thesis & sociology	8/10
Total combined grade	**9/10**

Cambridge Proficiency English
Elzendaalcollege Boxmeer, Netherlands

📅 Aug 2016 – Dec 2018

Final score: 214 - Grade B - C2-Level

EXTRA CERTIFICATES

🏆 **Honours Programme**
Extra certificate handed out to excelling few at secondary education for extra-curricular activities.

Physics student representative: SSCC & BoS

Durham University

📅 Nov 2019 – Ongoing   📍 Durham, UK

- Representative for all Physics Students on my level as member of our **Student Staff Consultative Committee**. Acquiring feedback, coming up with solutions, discussing those with the department and feeding the results back to the student body.
- Student representative for all formal discussions on examination; from meetings with the Head of department on mitigating circumstances to exam feedback sessions with the Board of External Examiners.
- Sole representative of my year on the Physics **Board of Studies**. The board decides about the running of the department, including teaching activities.

Stephenson College Lacrosse Treasurer & Kit Officer

Stephenson College, Durham University

📅 Jul 2020 – Ongoing   📍 Durham, UK

- Managing account balances and (depreciation) expenditures as well as membership fees for the College club.
- In charge of research, contact, mandates and reimbursements of all purchases as well as any finances regarding club belongings.
- Conducting all matters regarding the Stephenson Lacrosse stash, including all proceedings with design and orders.
- Assistant trainer during practice.

Stephenson College Fresher's representative

Stephenson College, Durham University

📅 Nov 2019 – Ongoing   📍 Durham, UK

- Member of the Freshers' Council of Stephenson College as 1st year student; improving the wider college student experience.
- As 2nd year representative for 1st year students, I presented various (online) open days and webinars and helped organise the induction weeks; being a point of contact for 1st year students and promoting student participation and endorsing the college.

College parent

Stephenson College, Durham University

📅 Oct 2020 – Jul 2023   📍 Durham, UK

- Student mentor of four Stephenson College Physics students, providing guidance on their course and student-experience.

Co-Chair Youth Town Council

Gemeente Mill en Sint Hubert

📅 Oct 2011 – Jul 2013   📍 Mill, NL

- The 1st year as a council member becoming co-chair in the 2nd.
- Consisting of representative events and quarterly meetings of debate on matters important to the youth.

Automotive Engineer

Durham University Electric Motorsport

📅 Nov 2019 – Aug 2020   📍 Durham, UK

- Assembling the next Solar car or repairing/restoring older ones, performing tests & working on preparations for races.

🏆 **National Physics Olympiad**
31st of the Country

🏛 **Radboud University Talents-programme**
Finished the Computer Science: Processors Module with a 9.5/10

🏆 **Maths Olympiads**
Reached within 10% of the country

👥 **National Maths Group Competition**
Ranked within top 10

🏆 **Maths Graduation Award**
Distinction for the few scoring a 9.5 or higher on the final exams

🏛 **1st Year Module Prize**
Award for the best score for the Introduction to Astronomy module

● **Durham Inspired Award**
Personal development scheme, focusing on interpersonal skills with training, coaching, extra-curricular activities and logging & reflection   -   Ongoing

LANGUAGES

English ●●●●●

Dutch ●●●●●

German ●●○○○

French ●●○○○

Python ●●●○○

C# (Unity) & C++ (Arduino) ●○○○○

LaTex ●●○○○

Excel ●●●●○

STRENGTHS

Dedicated   Detail-oriented

Motivator & Leader   Public Speaker

Strong work ethic   Resilient

Responsible   Proactive   Independent

Communicative   Teamplayer

Programming   Data analysis

Physics   Mathematics   Economics

Representation   Languages   Hosting

Organising   Accounting