

Charel Felten

28/12/1996

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Education

University of Amsterdam

M.Sc. Computational Science

- Cumulative GPA: 9.1/10
- Courses: *Computational Finance, Data Mining Techniques, Complex Systems, Agent-based Modelling, Stochastic Simulation*
- Highlighted Work:
 - Research project: “*Asset Graph-Based Network Metrics for Volatility Forecasting*” – C. Felten, A. Janczewski, J. Kingsbury (collaborators)

Amsterdam, NL

September 2020

University of Luxembourg

B.Sc. Computer Science

- Cumulative GPA: 8.7/10
- Courses: *Software Engineering, Information Management, Intelligent Systems, Security*
- Highlighted Works:
 - Research project: “*A Software Engineering Process for Deep Reinforcement Learning*” – C. Felten, B. Jahic (supervisor)
 - Project: “*Radar: iOS App to create, discover and participate in real life activities*” – C. Felten, Prof. S. Rothkugel (supervisor)

Esch-sur-Alzette, LU

September 2017 –

July 2020

Sorbonne University

Licence informatique

- *Exchange semester in the Erasmus program*

Paris, FR

January 2019 –

May 2019

Professional Experience

MENEJ Ministry of Education, Children and Youth

Substitute teacher in Kindergarten and primary school

- *Employed to satisfy higher than usual demand of school personal during the Covid-19 pandemic*

Mersch, LU

May 2020 – July 2020

MNHN National Museum of Natural History

Full-time summer student job in the informatics department

- *Developed multiple small web tools to improve the work-flow of employed researchers, such as a PHP tool to convert between coordinate systems in Excel sheets*
- *Automated the process of converting information from preexisting documents into XML format ready to be fed into the Genbank sequence database*

Luxembourg, LU

June 2019

Full-time summer student job in the graphic design department

- *Created a brochure for an upcoming exposition*

August 2015

University of Luxembourg

Part-time student job in the computer science department

- Continued development on a website for the Bachelor in Computer Science
- Programmed various PHP scripts to import and display existing data sourced from Google Sheets

Full-time summer student job in the computer science department

- Developed a Wordpress website template for the Bachelor in Computer Science

Esch-sur-Alzette, LU

October 2018 –

February 2019

August 2018

Interests & Skills Interests & Skills

Various:

- Winner of the 2021 VU Data Mining Kaggle Competition
<https://www.kaggle.com/c/2nd-assignment-dmt-2021>

Programming:

- Python: NumPy, SciPy, Matplotlib (expert)
- Swift: SwiftUI, UIKit, iOS Development (advanced)
- Unix: bash, grep, sed (beginner)
- PHP, SQL, Ocaml, Java, Javascript (React), C (beginner)

Competencies:

- Mathematical optimisation and modelling
- Quantitative and statistical analysis
- Machine learning and data science essentials

Languages:

- Luxembourgish (native)
- German (fluent)
- French (fluent)
- English (fluent, Toefl IBT 110/120)