

Charlotte Mädler

WORK EXPERIENCE

Account Manager, Amazon

August 2025–Present

- Managing a seller portfolio while developing the ability to translate technical thinking into commercial results, intentionally building expertise in sales workflows, value communication and customer psychology
- Developed Lumi: an interactive simulation platform for pitch call training
 - Built the front-end (HTML, JS, CSS) and automated workflows with n8n
 - Designed user flow, conversation structure, scoring framework and UI Prototype
 - Integrated AWS Services for speech, knowledge-base access and near real-time dialogue

Strategy Team, Fechtklingen.de

May 2023–June 2025

- Online fencing equipment retail store, specialized on blades
- Built early category expansion strategy incl. product diversification and supplier relations
- Drove brand vision and expansion

Product and Research Lead, Riposte

Fencing Analysis Project

April 2023 – July 2025

- Defined product concept for AI-based fencing feedback tools using pose estimation to provide strategic insights
- Conducted user interviews with fencers & coaches, identifying UX needs and feature scope
- Mapped core feature progression from raw pose data, to movement metrics and tactical insight

Student Researcher, University of Bonn

Behavioural Security Research Group

April 2023 – July 2025

- Contributed to research papers, including co-authoring a published work
- Led data collection and analysis efforts in cybersecurity projects
- Designed and implemented quantitative and qualitative research methodologies, focusing on user-centric topics
- Developed expertise in academic collaboration and technical reporting

Teaching Assistant, University of Bonn

Technical Computer Science, Computer Organisation, System related Computer Science

October 2019 – March 2023

- led tutorials for 20–40 students, prepared materials, graded assignments and exams
- Translated complex systems and architecture concepts to clear explanations
- Strengthened communication, structured teaching, time management and academic mentoring skills

Swimming Instructor, Nessay GmbH

April 2022 – October 2022

- Taught Children aged 3mo–12yrs, building confidence and technique
- Communicated with parents, addressing concerns and resolving conflicts
- Fostering a fun, safe environment, risk-awareness and emergency response

EDUCATION

Rheinische Friedrich Wilhelms University, Bonn, Germany

Master Computer Science (M. Sc.), GPA: 1.3

April 2023 – August 2025

Bachelor Computer Science (B. Sc.), Minor in Physics, GPA: 2.0

October 2018 – March 2023

Sankt Adelheid Gymnasium, Bonn, Germany

Abitur (A-Levels), GPA: 1.1

September 2010 – June 2018

CONTACT

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TECHNICAL SKILLS

Microsoft Office	<div><div></div></div>
Python	<div><div></div></div>
R, C++, SQL	<div><div></div></div>
X86, ROS	<div><div></div></div>
Data Analysis	<div><div></div></div>
Pandas, Matplotlib	<div><div></div></div>
Jupyter Notebooks	<div><div></div></div>
AWS, Docker, Git	<div><div></div></div>
HTML/CSS/JS	<div><div></div></div>
Machine Learning	<div><div></div></div>
Cyber Security	<div><div></div></div>
Hypothesis Testing	<div><div></div></div>
A/B Testing	<div><div></div></div>
UX Research	<div><div></div></div>

PUBLICATIONS

SOUPS 2023, USENIX

Adventures in Recovery Land: Testing Account Recovery of Popular Websites When the Second Factor is Lost
August 2023

AWARDS

FS-ISAC Scholarship for Women in Cybersecurity
2023

SAT Exam (1400 Points)
2017

Hans-Riegel-Fachpreis, University of Bonn, 2nd place in Physics
2017

VOLUNTEER WORK

Elected Student Body Member
University of Bonn, 2018–2020

Girls Day Team for Computer Science
University of Bonn, 2020–2023

Summer Camp Guidance Counselor
CVJM Slegburg, 2017–2018

Youth Program Assistant
American Protestant Church, 2018–2022

LANGUAGES

English, Native	<div><div></div></div>
German, Native	<div><div></div></div>
French, B1	<div><div></div></div>
Italian	<div><div></div></div>