

## Teaching portfolio

**1. Teaching CV: A list of teaching and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD). Please state the teaching method used (e.g. lecture, class teaching, exercises, supervision, examination, coexamination, distance teaching, internet-based teaching and evaluation of teaching). Please also indicate the language of instruction.**

1. Teaching Activities: (Spring 2023) Blockchain (belongs to course Advanced Network Security), (Master Level, 1 Lecture and Exercise, Language of Instruction: English), Aalborg University, Aalborg. (Spring 2023) Traffic Analysis and Machine Learning (belongs to course Advanced Network Security), (Master Level, 1 Lecture and Exercise, Language of Instruction: English), Aalborg University, Aalborg. (Spring 2023) Machine Learning for Healthcare (belongs to course Digitization of the health sector) (Bachelor Level, 4 Lectures and Exercises, Language of Instruction: English), Aalborg University, Copenhagen. (Spring 2023) Introduction to Probability Theory and Statistics (Bachelor Level, 6 Exercises, Language of Instruction: English), Aalborg University, Copenhagen. (Autumn 2022) Cyber Security Foundations and Analytics (Self-Designed Elective, Master Level, All Lectures and Exercises, Teaching Evaluation: 4.6/5, Language of Instruction: English), CBS, Copenhagen. (Autumn 2022) Foundations of Data Science: Programming and Linear Algebra (Master Level, 6 Lectures and Exercises, Language of Instruction: English), CBS, Copenhagen. I also have expertise in teaching Computer Architecture, Computer Networks, C, Python, Cryptography, Blockchain, Machine Learning, Linear Algebra etc.

2. Master Theses Supervisor (in English) (Spring 2023): Supervising 3 students in the field of Machine Learning, Blockchain and Cybersecurity, Aalborg University, Copenhagen. (Autumn 2022): Supervised 2 student in the field of Machine Learning and Blockchain, CBS, Copenhagen. (Spring 2022): Supervised 1 student in the field of Machine Learning, CBS, Copenhagen. Apart from that, I externally supervised 6 master students and 2 PhD students from abroad universities in the field of Cryptography, Machine Learning and Blockchain.

3. Semester Project Supervisions (in English) (Spring 2023) Co-supervisor: JAVA application (CCT4) – 2 students, Aalborg University, Copenhagen. (Spring 2023) Co-supervisor: JAVA application (CCT4) – 3 students, Aalborg University, Copenhagen. (Autumn 2022): Supervisor: Blockchain – 4 students, CBS, Copenhagen. (Autumn 2022): Supervisor: Distributed Ledger and Cryptography – 4 students, CBS, Copenhagen. (Autumn 2022): Supervisor: Machine Learning – 4 students, CBS, Copenhagen.

**2. Study/programme administration and management: Experience in programme management and coordination. A list of study administration tasks, e.g. study board membership, chair of study board, semester or course coordinator, accreditation tasks, etc. Experience in planning teaching activities. Experience in programme development. Participating in committees and commissions etc. on education issues.**

Type your answer here...

**3. Formal pedagogical training: A list of completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc. Written assessment from the course in university pedagogy for assistant professors. Participation in conferences on pedagogy and didactics. Please enclose any documentation of the above, such as course certificates, references, etc**

(March 2023) Basic Course in PBL for University Teachers, Aalborg University, CPH, Denmark (May 2022) Supervision of master's theses, CBS, Copenhagen, Denmark (May 2022) Learning to teach, CBS, Copenhagen, Denmark

**4. Other qualifications: Conference contributions and attendance, contributions to debates, scientific articles on pedagogical issues etc. Peer supervision, editorials, mentoring experience or other types of competence development activities.**

Reviewer/Reviewer Board Member: I am reviewer of approximately 80 different journals and many conferences and reviewed more than 500 research papers. At the same time, I am also serving as reviewer board member of several journals. Editorial Board Member: International Journal of Data Mining, Modelling and Management International Journal of Data Science Journal of Surveillance, Security and Safety Program Committee: 18th International Conference on Availability, Reliability and Security (ARES), Benevento, Italy (2023) 24th International Conference On Distributed Computing And Networking, Kharagpur, India (2023) 14th International Symposium on Cyberspace Safety and Security, Xi'an, China (2022) 17th International Conference on Availability, Reliability and Security (ARES), Vienna, Austria (2022) The 2nd International Workshop on Security and Privacy in Intelligent Infrastructures, Vienna, Austria (2022) IEEE Conference on Strategic Models in Computing Applications, IIIT Dharwad, Dharwad, India (2022) 13th International Symposium on Cyberspace Safety and Security, Copenhagen, Denmark (2021) 16th International Conference on Availability, Reliability and Security (ARES), Vienna, Austria (2021) The Seventeenth Advanced International Conference

on Telecommunications, Valencia, Spain, (2021) 5th EAI International Conference on Advanced Hybrid Information Processing, Yantai, China (2021) International Conference on Machine Intelligence and Data Science Applications, Cumilla, Bangladesh (2021) International Workshop on IoT Big Data and Blockchain, Los Angeles, CA, USA (2019) International Conference on Computational Intelligence, Security and Internet of Things, NIT, Agartala, India. (2019) Editing Books (Ongoing): Demystifying Big Data Analytics for Industries and Smart Societies (CRC Press, Taylor & Francis Group) Revolutionizing Healthcare Through Artificial Intelligence and Internet of Things Applications (IGI Global) Special Issues Guest Editorship: Special Issue: Internet of Things, Elsevier, "IoT assisted Smart Solutions for Combatting Covid-19 Pandemic" Special Issue: Journal of Grid Computing, "Machine Learning at the Edge for the Cloud Continuum" Special Issue: Real-time Video and Image Analysis in Embedded Systems, EURASIP Journal on Advances in Signal Processing, Springer Special Issue: Artificial Intelligence for Geo-Informatics and Remote Sensing, Geo-spatial Information Science, Taylor & Francis Special Issue: Sensors, "Data Privacy, Security, and Trust in Blockchain and IoT based networks" (Closed) Special Issue: International Journal of Sustainable Development & World Ecology, Taylor & Francis, "Current Trends in Forecasting Technologies for Environmental Monitoring and Climate Change" Special Issue: International Game Theory Review, "Strategic Models in Computing Applications" Special Issue: Electronics, "Power Electronics, Control, and Protection Systems for Smart Grid Applications" Special Issue: Frontiers in Blockchain, "Blockchain for United Nations Sustainable Development Goals (SDGs)" (Closed) Special Issue: Computer Modeling in Engineering & Sciences, "Artificial Intelligence of Things (AIoT): Emerging Trends and Challenges" Special Issue: Knowledge Extraction and Transfer in Evolutionary Optimization, Journal of Universal Computer Science (J.UCS) Special Issue: International Journal of Agricultural and Environmental Information Systems (IJAEIS), "Deep Learning-enhanced Agriculture Vision for Plant Disease Detection and Prevention". Special Issue: International Journal of Agricultural and Environmental Information Systems (IJAEIS), "Deep Learning-enhanced Agriculture Vision for Plant Disease Detection and Prevention" Call for Chapters: Demystifying Big Data Analytics for Industries and Smart Societies (CRC Press, Taylor & Francis Group) Call for Chapters: Revolutionizing Healthcare Through Artificial Intelligence and Internet of Things Applications Conference Attended/Oral Presentations/Poster Presentations: 2022 Law, Innovation and Vulnerability , April 28, 2022 at University of Copenhagen, Denmark 2020 The 17th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS 2020), Oct 1-4, 2020 at Delhi, India (Oral Presentation) 2019 (HLF) Heidelberg Laureate Forum , September 22-27, 2019 at Heidelberg, Germany 2019 SAC 2019: SAC Summer School and Conference , August 12-16, 2019 at Waterloo, ON, Canada 2018 WINE 2018: The 14th Conference on Web and Internet Economics, December 15-17, 2018 at Oxford, United Kingdom (Poster Presentation) 2018 The International Conference on Operational Research (KOI), September 26-28, 2018 at Zadar, Croatia (Oral Presentation) 2018 GAMENET Conference, September 17-21, 2018 at Krakow, Poland 2018 The 15th International Conference on Security and Cryptography (SECRYPT), July 24-26, 2018 at Porto, Portugal (Poster Presentation) 2018 International Workshop on the Arithmetic of Finite Fields (WAIFI) , June 14-16, 2018 at Bergen, Norway 2018 Central European Conference on Cryptology (CECC), June 6-8, 2018 at Smolenice, Slovakia (Oral Presentation) 2018 The Ninth International Conference on Post-Quantum Cryptography (PQCrypto), April 9-11, 2018 at Fort Lauderdale, Florida, USA 2018 Real World Crypto 2018 (RWC), January 10-12, 2018 at Zurich, Switzerland 2017 The 14th International Conference on Security and Cryptography (SECRYPT), July 24-26, 2017 at Madrid, Spain (Oral Presentation) 2017 17th Central European Conference on Cryptology, June 28-30, 2017 at Warsaw, Poland (Oral Presentation) 2017 Summer school on real-world crypto and privacy, June 5-9, 2017 at Sibenik, Croatia 2016 Summer school on real-world crypto and privacy, June 5-10, 2016 at Sibenik, Croatia 2016 Fast Software Encryption Conference, March 20-23, 2016 at Bochum, Germany 2016 Spring School on Symmetric Cryptography, March 17-19, 2016 at Bochum, Germany

**5. Pedagogical development and research: Development of new courses, teaching materials, teaching methods, examination types or other types of pedagogical development. Didactic and pedagogical research. Cooperation with external collaboration partners.**

(Autumn 2022) Cyber Security Foundations and Analytics (Self-Developed Elective, Master Level, All Lectures and Exercises, Teaching Evaluation: 4.6/5, Language of Instruction: English), CBS, Copenhagen.

**6. References on your teaching skills from superiors or colleagues. Teaching evaluations and any teaching awards received.**

Type your answer here...

**7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogical development, plans for following up on student feedback/evaluations, etc. Personal reflections on your own pedagogical practice, including objectives, methods and implementation. This should include an analysis and a reasoned description of your pedagogical activities in relation to your pedagogical understanding and student learning. Thoughts on the teaching method at Aalborg University (which is largely based on group-organised project work and problem-based learning)**

Type your answer here...

**8. Any other information or comments.**

Type your answer here...