Christos Chronopoulos

CIVIL ENGINEER · ENVIRONMENTAL ENGINEERING, CONSTRUCTION SAFE

Vejlby Risskov , 8240, Aarhus, DENMARK

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Experience _____

Brinckmann Group

RESEARCH ANALYST

- Global onshore and offshore wind supply chain, market and technology research
- Development of research databases (Excel) strategically covering key value chain segments and enhancing data-driven insights
- Consulting engagement and support by leveraging knowledge and in-depth analysis of the wind supply chain
- Programming in Python, VBA and use of AI tools to streamline research and analysis, reduce manual workload, and improve efficiency

Aarhus University, Civil and Architectural Engineering

RESEARCH FELLOW

- Analysis and prediction of hazards in railway infrastructure construction with Machine Learning, integration of BIM and Digital Twins
- Python programming and Machine Learning, data processing and data analysis
- Authorship of peer-reviewed research papers and technical reports. Peer-reviewer of journal and conference articles (ECAM, EG-ICE)
- Teaching of Advanced Technologies in Construction (Learning Factory for Construction, Robotics and Automation)
- Co-supervision of MSc student projects within Robotics and Automation

DTU Management Engineering

RESEARCH ASSISTANT

- Safety and smartness of industrial Cyber-Physical Systems (CPSs), Deep Causal Analysis, FMEA, OECD Halden Reactor Project
- Authorship of peer-reviewed research papers and project proposals
- Project management, conference planning, website development and maintenance, graphics design

DTU Skylab

Student Job

- Event planning and coordination
- Rapid prototyping and IoT (3D printing and electronics) mentoring in Hackathons and supervision of student projects
- Technical support, Faults reporting, Procurement

Education

Technical University of Denmark (DTU)

M.Sc. in Environmental Engineering [8.3/12.00]

National Technical University of Athens (NTUA) and University of Piraeus

M.Sc. in Energy and Environmental Protection Systems Management [8.67/10.00]

School of Pedagogical and Technological Education

B.Sc. in Civil Engineering [8.16/10.00]

Publications _____

Latest publications in peer-reviewed Journals and Conference Proceedings

0000-0003-3558-4512

- C. Chronopoulos, J. Teizer, L. Esterle, (2022). Trajectory Prediction: A Review of Methods and Challenges in Construction Safety, 29th International Workshop on Intelligent Computing in Engineering (EG-ICE). DOI: 10.7146/aul.455.c233
- J. Teizer, C. Chronopoulos, (2022). Learning Factory for Construction to Provide Future Engineering Skills beyond Technical Education and Training, *Construction Research Congress 2022*. DOI: 10.1061/9780784483985.023
- C. Chronopoulos et al., (2021). Towards a Holistic, Self-organised Safety Framework for Construction, 2021 IEEE International Conference on Autonomic Computing and Self-Organizing Systems Companion (ACSOS-C). DOI: 10.1109/ACSOS-C52956.2021.00060

Aarhus, Denmark

Feb. 2021 - May 2022

Jan. 2019 - Dec. 2019 Pactor Project

Copenhagen, Denmark

Copenhagen, Denmark

Copenhagen, Denmark

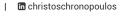
Sep. 2016 - Jun. 2018

Jan. 2018 - Dec. 2018

Sep. 2011 - Dec. 2013

Athens, Greece

Athens, Greece Sep. 2006 - Sep. 2011



Aarhus, Denmark Oct. 2022 - Present

Honors & Awards _

- 2013Top 3% graduate, MSc in Energy and Environmental Protection Systems Management, NTUAAth2012Scholarship (€2500) for excellent academic performance for the MSc in Energy andAth
- **Environmental Protection Systems Management**, NTUA
- 2010 Top 2% graduate, BSc in Civil Engineering, BSc

Languages _

GREEK Mother tongue, ENGLISH C2 Proficiency level, IELTS Academic (Band 8.00/9.00) FRENCH B2 level, DELF I DANISH Elementary level, Modul I

Skills _____

Engineering, Programming and Design

Research Analyst, Engineer, Maker

- Wind Research: Global onshore and offshore wind supply chain, market and technology research
- Data Analysis: Excel, Python (e.g., Pandas, NumPy), KNIME Platform
- Programming: Python, Visual Basic for Applications (VBA), R, HTML, Javascript
- Engineering: Life Cycle Assessment (SimaPro, RETScreen, CES EduPack), GIS (ArcGIS, MapInfo), Hydrology (DHI MIKE-SHE)
- 2D and 3D Design: Revit, AutoCAD, Inventor, Blender, CorelDraw

Interests _____

Sports and Leisure

ACTIVITIES

• Swimming, Cycling, Running

Volunteering

TEAM LEADER, GREEK SCOUTS ASSOCIATION

- Team leading, project management and coordination, procurement. Design and implementation of educational programs
- Member of the International Affairs work-group, member of the National Youth Council (ESYN). Member of the Greek Delegation to the European Youth Event 2007 in Lisbon, under the auspices of the Portuguese presidency of the European Council.

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Worldwide

Aarhus, Denmark Present

Athens, Greece

Athens, Greece

Athens, Greece

Athens, Greece 2006 - 2012