Bruno Adam

Motivated and skilled Architectural Engineer with expertise in HVAC, energy efficiency, and the digitalization of the building industry. I merge deep field knowledge with software development and data-driven methodologies to optimize indoor climate, sustainability assessments, and building performance. Passionate about bridging engineering and technology, I develop digital solutions that enhance efficiency, ensure compliance, and drive innovation in the built environment. Committed to continuous learning, I strive to create smarter, more sustainable, and future-ready buildings.

Core Competencies

- **Technical Skills**: Sustainable Heating and Cooling solutions, Ventilation Systems, Indoor Climate, Energy Management, Sustainable Building Practices, Building Performance Simulation
- **Software Proficiency**: Python, Postgres, IDA ICE, Revit, Rhinoceros 3D/Grasshopper, Speckle
- **Management**: Project Management, Agile Methodologies, Team Leadership
- **Soft Skills**: Communication, Collaboration, Cultural Awareness, Sustainability Advocacy
- **Standards and certifications**: DGNB, CSRD, EN 16798-1, BR18, ASHRAE 55, ISO 50001, ISO14001

Work Experience

Technical Product Owner and R&D Engineer (May 2023 - January 2025)

Climify ApS, Lyngby, Denmark

- Developed and implemented energy-efficient solutions, including indoor environmental quality assessments and energy performance evaluations.
- Collaborated with DTU professors on national-funded projects to enhance building automation and comfort models.
- Represented the company in technical committees, advocating for advanced indoor climate solutions.

Teaching Assistant (August 2022 - June 2023)

Technical University of Denmark, Lyngby, Denmark

Assisted in courses focused on Building Performance Simulation and Indoor Climate, utilizing IDA ICE for analysis and optimization and supported students in sustainable building practices and in-situ measurements.

Architecture internship (Summer 2020)

Dethier Architecture Office, Liège, Belgium

Gained hands-on experience in architectural design and project management, focusing on sustainable building practices.

Education

Master in architectural engineering - T.I.M.E. Double Degree

Technical University of Denmark, DTU, Lyngby, Denmark (September 2021- August 2023)

Specialised in Ventilation Systems, Heating and Cooling Systems, Indoor Climate, Energy Performance Simulation, Building Information Modelling, Machine Learning, Daylight and Lighting

Thesis: [Using artificial intelligence to predict indoor temperature to improve indoor thermal quality in sub-Saharan buildings subjected to climate changes, 2023](#)

School of Engineering, University of Liège, Belgium (September 2020 - June 2021)

Specialised in Acoustics, Building Information Modelling, Building Physics, Architectural Drawings, CAD, Architectural Projects, Urban Planning, Urban Studies, …

Bachelor in architectural engineering

School of Engineering, University of Liège, Belgium (September 2017 - June 2020)

Specialised in Architectural Drawings, Ergonomy, Bioclimatic design, Sustainable Building Design, Construction Techniques, Reinforcement Concrete Structures, Metallic Structure, Wood Structure, Programming, …

Languages

French (Native), **English** (Bilingual), **Danish** (Professional working proficiency), **German** (Limited working proficiency)

Interests

- Passionate about sustainability and innovative building solutions
- Embracing the Danish way of life, including cold-water dipping and maintaining a balanced lifestyle.

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