

KEY STRENGTHS

Adoptive and Creative

- Conscientious and thorough with a strong aptitude for mathematics.
- Ability to absorb new information and learn new skills.

Strong IT Competences

- Proficiency in MATLAB programming.
- Adept at numerical modeling using commercial as well as self-developed MATLAB software.

EDUCATION & RESEARCH

- 2020 – 2022 Master's Degree in Civil and Architectural Engineering Aarhus University - Aarhus, Denmark • Average grade: 11.78
- 2014 - 2019 Bachelor of Science in Engineering British Columbia Institute of Technology - Vancouver, Canada • Average grade: 83%
- 2019 Research Work Research Paper on Comparison of Analysis Approaches for Seismically Isolated Building In the 4th year of my study at BCIT, I was involved in a research project together with one of my professors, Kian Karimi, Ph.D., P.Eng., P.E. The objective of the research was to determine whether a static procedure (such as the Equivalent Lateral Force Method) can produce accurate results and be used for the preliminary design of base isolation systems. We used SAP2000 for modeling our structure and conducting a Time-History Analysis. The research was accepted and published to the 17th World Conference on Earthquake Engineering.

EXPERIENCE

2021 - present (8 months)

Student Ambassador (volunteer)
Aarhus University – Aarhus, Denmark

Areas of responsibility:

- Periodically manage the social media platform of Aarhus University.
- Promote Aarhus University (AU) and attract more international students.

Tasks:

- Hold online presentations for international students.
- Meet and take part in social events with other students to promote AU.
- Correspondence to questions from students regarding AU and life in Denmark via Unibuddy.

Results:

- Created a positive environment and increased interest in AU among international students.

-

2021 - 2022 (4 months)

Student Assistant (part-time)
Destination Aarhus - Aarhus, Denmark

Areas of responsibility:

- Organize and produce promotional content.
- Engage followers through SoMe posts.

Tasks:

- Create promotional graphic material: videos, posts, images.

Results:

- Published several videos promoting the company's values and goals.

-

2016 – 2017 (1 yr. 5 months)

Civil Engineering Technologist (full-time)
Celtic Engineering Ltd. - Prince George, Canada

Areas of responsibility:

- Communicated with clients and construction personnel.
- Organized, facilitated, and proofread tender documents.
- Led a team of students in the field to perform engineering tasks.

Tasks:

- Collected raw data from the field for engineering purposes.
- Processed raw data and designed structures based on the data.

Results:

- Oversaw the design and construction of over 20 bridges during my period with Celtic.

IT & LANGUAGE

*****	Microsoft Office and LaTeX Word, PowerPoint, Excel, Outlook
*****	Programming MATLAB, Python, .NET
****	Modeling Software SAP2000, Abaqus CAE
*****	English Native
****	Bosnian/Croatian Conversational
**	Danish Level C1

Brief Profile for David Stamenov, Ph.D. Fellow at Aarhus University

Academic Profile:

2022 – present	Ph.D. on Cyber-physical empirical methods for lattices of marine structures. Aarhus University
2020 – 2022	Master's in civil and Architectural Engineering. Aarhus University
2014 – 2019*	Bachelor of Engineering in Civil Engineering. British Columbia Institute of Technology (BCIT)

Note*: The bachelor program is four years, but I worked full time in the industry for 15 months between 2nd and 3rd year of my study.

Research:

2022	Gaussian process NARX models and their higher-order frequency response function (part of the Ph.D.)
2021	Parametric model order reduction of nonlinear finite element models (Master Thesis)
2019	Comparison of Analysis Approaches for Seismically Isolated Building

Relevant Work Experience:

June 2016 – September 2017	Engineering technologist at Celtic Engineering Ltd.
-------------------------------	---