Csilla Vámos

Curriculum Vitae

Personal Summary

I am interested in helping societies assess and meet challenges such as climate change and global urbanization using GIS and data modeling. I am passionate about using structured, high-quality data to support strategic decision-making. Skilled in R, ArcGIS, and collaborative data solutions. I enjoy applying my skills and experience with data handling to translate complex data concepts into structured, reusable knowledge.

Skills

Spatial analysis, interdisciplinary work, collaboration, technical writing, mentoring

IT skills:
GIS/ArcGIS, CityEngine, QGIS, R, SQL, RDF, PhotoScan, InDesign, ErDAS Imagine, Krita, SketchUp, AutoCAD, Python, Word, Excel, PowerPoint, Outlook

Languages:
Native speaker in English; conversant in Spanish and Hungarian; learning Dutch

Publications

Vámos, C., Scheider, S., Sonnenschein, T., & Vermeulen, R. (2024). Ontology of active and passive environmental exposure. *Semantic Web*, *15*(5), 1733-1761.

Wei, Y., Kroeze, M., Vámos, C., Foekema, E. M., van Lammeren, R., & Murk, A. J. (2021). Relative Risk Assessment of Ecological Areas with the Highest Potential Impact of Underwater Released Exhaust CO2 from Innoyvative Ships. *bioRxiv*, 2021-09.

Contact and Personal Information

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https://www.linkedin.com/in/csilla-v%C3%A1mos-9a5b0983/
Date of Birth: 11/11/1993
Citizenships: Hungarian, American, Brazilian

Experience

PhD Candidate   03/2021 - Present
Human Geography and Spatial Planning, Utrecht University, The Netherlands
- How can the modeling of environmental exposure factors be improved using GIS methods?
    - In collaboration with the *Exposome NL* project.

Intern   10/2019 – 05/2020
EagleSensing, Wageningen, The Netherlands
- Developed a model in R to estimate banana yield for a banana farm in Ecuador.

Intern   05/2017 – 08/2017
New Hampshire Public Radio, Concord, New Hampshire, USA
- Digitized legacy audio archives; collected and created meta-data; wrote for NHPR's Archives blog.

Research Assistant   05/2015 – 07/2015
Philadelphia Fire Insurance Preservation Project
- Organized and digitized Philadelphia Franklin Fire Insurance Surveys from the 1800s, under the supervision of a Professor at Bryn Mawr College.

Extern   01/2015 – 01/2015
Museum of Danish America, Elk Horn, Iowa, USA
- Assisted the curator and transferred the museum's archives into a digital cataloging system.

Education

Master in Geo-information Science   09/2017 – 08/2020
Wageningen University and Research, Wageningen, The Netherlands
Thesis title: Mapping CO_2 Sensitive Areas in the Ocean Using Dissolved Inorganic Carbon and Shipping Route Data
Relevant coursework:
- Academic Consultancy Training group work: In conjunction with CGI's Rotterdam office, explored the possibilities of using the gaming program Unity3D for GIS purposes. Developed a 3D model of Rotterdam to predict and view the city's Urban Heat Island effect.
- Geotools, Programming in Python, Remote Sensing, Geo Scripting, Advanced GIS for Earth and Environment, Spatial Modeling and Statistics, Advanced Earth Observation, Data Management

Bachelor in Growth and Structure of Cities (Urban Studies) 08/2012 – 05/2016**,**
Minor in Latin American and Iberian Studies
Haverford College, Haverford, Pennsylvania, USA
Thesis title: "Rush Hour in Rio: How Transportation Development for the 2016 Olympics is Affecting the City"

Harvard University Graduate School of Design Summer Program
06/2013 – 07/2013, Cambridge, Massachusetts, USA
Rigorous six-week program focusing on architecture; completed short, intensive projects similar to first-year graduate school architecture projects. Presented work to instructors and architects.

Extracurricular Activities

2023: Created historic-themed map for world-wide Hungarian scout camp to use on their 10-day excursion down the Tisza river in Hungary in the summer of 2023.

Sports:
- Tartlétos (Student Athletics Association Wageningen University), 2017- 2020
- Varsity Cross Country and Varsity Track and Field at Haverford College and Souhegan High School, 2008 – 2013