MODUL University Vienna, Department of New Media Technology
Vienna University of Economics and Business, Research Institute for Computational Methods
www.modul.ac.at/nmt ▪ www.wu.ac.at/firm

Position Announcement | Vienna, Austria

Web Intelligence and Visual Analytics

Researchers and Software Developers

Participate in award-winning international research projects and become part of a dynamic and interdisciplinary team. Closely working together with other researchers with a passion for developing novel solutions to challenging technical problems, you will collaboratively advance the state of the art in one or more of the following disciplines:

> **Web Intelligence, Information Visualization, Big Data, Semantic Search Technologies, Distributed Computing** and **Linked Data**.

The *Department of New Media Technology* of *MODUL University Vienna* and the *Research Institute for Computational Methods* of *Vienna University of Economics and Business* offer R&D and PhD Candidate positions, part- or full-time. Innovations from our research projects (www.weblyzard.com/research) enable novel showcases such as the *Media Watch on Climate Change* (www.ecoresearch.net/climate) and the semantic search of the *U.S. Climate Resilience Toolkit* (toolkit.climate.gov).

Essential Qualifications

o   Strong Analytical Skills and Software Development Experience
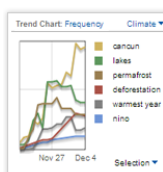   (preferably in Python, Java, or JavaScript)

Desired Qualifications, Focus Area 1 :: Big Data and Distributed Architectures

o   Information Retrieval and Semantic Search (Elasticsearch)
o   Relational Data Modeling and PostgreSQL Optimization
o   Deployment and Monitoring of Distributed Architectures (Docker, Nagios)
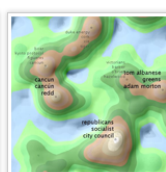o   Linux Server Administration, Network and Server Security (Ubuntu)

Desired Qualifications, Focus Area 2 :: Metrics and Visual Analytics

o   Dashboards for Information Exploration and Web Intelligence Applications
o   Dynamic Web Technologies (JavaScript, jQuery, HTML5)
o   Information Visualization (D3.js, WebGL)
o   Decision Support and Communication Success Metrics

The positions remain open until filled. Salary levels follow the guidelines of the *Austrian Science Fund* (www.fwf.ac.at/en/research-funding/personnel-costs). MU Vienna and VUEB are equal opportunity employers and encourage qualified women to apply. Please send your application including cover letter, curriculum vitae and academic transcript to maximilian.lang@modul.ac.at (in English or German; preferably as a single PDF file not exceeding 8 MB).