

Katharina Wünsche

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EDUCATION

- 2019 - **University of Vienna** MSc Computer Science
2021
- Focus on semantic web, visualization, document analysis
 - Master thesis in the field science communication and video structuring
- 2017 - **Konrad Adenauer Foundation** Scholarship
2021
- Financial and ideal support through seminars and events
- 2016 - **University of Vienna** BSc Computer Science
2019
- Focus on Data Science, Graduation with distinction
 - Courses a.o. about Data Analysis, Natural Language Processing, Brain Computer Interfaces
 - Bachelor thesis "Publication Structure Analysis using Natural Language Processing"
- 2011 - **Sacré Coeur Wien** (A-Levels)
2016
- Graduation with distinction

PROFESSIONAL EXPERIENCE

- Since 2021 **Web Developer at the Austrian Academy of Sciences**
- Currently working on visualizations of lexical networks at the Austrian Centre for Digital Humanities and Cultural Heritage (Vue.js)
- 2018 - 2020 **Tutor and study assistant at the faculty of Computer Science at the University of Vienna**
- Development of an interactive dashboard with Flask and Vue.js for the visualization and analysis of study paths and success
 - Supporting students in courses about programming (C++), database systems (PHP, SQL) and human computer interaction (Android development in Java and React Native)
- Since 2017 **Web and Frontend Developer at PAN Verlag GmbH**
- Development of interactive web applications (JavaScript, HTML, CSS, PHP), a.o. for the prehistory museum MAMUZ
 - Aufsetzen und Management der dazugehörigen Datenbanken (MySQL, NoSQL)
- 2016 **Summer internship at Zenker & Co. Public Relations**
- Writing press releases, planning and producing interviews for the Lower Austrian Red Cross

PROJECTS AND ENGAGEMENT

- 2019 - 2020 **Development of a brain computer interface with a team of the University of Vienna to participate in Cybathlon 2020**
- Signal processing and classification pipeline written in Python, based on EEG data of a pilot (ended prematurely due to the pandemic)
- Since 2018 **Speaker of scholarship holders of Konrad Adenauer Foundation in Austria**
- Contact person for about 20 scholarship holders, planning and organization of events and seminars
- Since 2017 **Writing mentor at Viennese middle schools as part of the Texte.Werkstatt project of the foundation Literarische Bühnen Wien**
- Writing creative texts (poems, plays, short stories) with children and adolescents whose native language is predominantly not German

ADDITIONAL KNOWLEDGE AND INTERESTS

- Languages German (native), English (fluent), French (DELFL B2)
- Technology JavaScript (Vanilla, React, Vue), Java, Python, C++, Visual Basics, VBA, Git, SPARQL, SQL, NoSQL, RDF
- Interests German and Austrian literature and theatre, science communication, digital humanities, Computer Science at schools and coding tools for children