academic blog: https://heseltime.github.io/rDai

**software-engineering-lead research/LLMs for a11y
& ECM (Enterprise Content Management) consulting and engineering**

Jack Cody Heseltine

+43 664/965 3008   jack.heseltine@gmail.com   Linz, AT

++ Thesis-Work (BASc./Hagenberg)
- *With RISC, Research Institute Symbolic Computation, and FH Upper Austria/ Campus Hagenberg: **available online***

+ Major Research Project ++++
- *With LIFT/LIT and FH Upper Austria/ Campus Hagenberg/FAW GmbH: **Making Document Accessible Research Thesis/ ECM Module/ Platform** - supported by 10K EUR in research money through employment (**rX**)*

Published Academic Work

ICCHP (INTERNATIONAL CONFERENCE ON COMPUTERS HELPING PEOPLE WITH SPECIAL NEEDS) YOUNG RESEARCHERS' CONSORTIUM 2026 (PREPRINT), LINZ, AT/BRNO, CZ
This paper is accompanies current Masters-thesis work on making documents accessible using LLMs, summarising the core evaluation work and methods, w/ promising output
WOLFRAM RESEARCH 2023 WOLFRAM SUMMER SCHOOL (PROCEEDINGS), BOSTON, MA
My community post was awarded a featured contributor badge & subsequently published

Other Publications

STARTING A UNIVERSITY: IT:U X ARS ELECTRONICA FOUNDING LAB (BOOK), LINZ, AT - 2024
Vision Statement (p. 71) about learning from US liberal arts colleges re: interdisciplinarity
DER STANDARD: IDSA: EINE UNIVERSITÄT BEGINNT (A UNIVERSITY STARTS), LINZ, AT - AUGUST 2023
OÖN: ARS ELECTRONICA FESTIVAL 2023 COMPANION PIECE ABOUT IDSA (IT:U), LINZ, AT - AUGUST 2023

Academic Societies

PRO SCIENTIA, LINZ/VIENNA, AT (QUALIFIED FOR MASTER AND PHD ACADEMIC FUNDING FOR 5 YEARS)
Funding and programming for young scientists and artists showing excellence at grad level

Teaching

WOLFRAM RESEARCH, SUMMER RESEARCH PROGRAM MENTOR, BOSTON, MA - JULY-AUGUST 2024
After being a student myself in the Wolfram Summer School (for adults) in 2023, I am grateful for the opportunity to mentor some great highschoolers for their project work

Research Positions

Current >

WOLFRAM RESEARCH, CONSULTANT SOFTWARE ENGINEER, REMOTE/CHAMPAIGN, IL - JANUARY 2024+
I was hired by way of Wolfram Summer School ('23) participation and my thesis work in SE
- Took charge of visible Storage Monitoring (project) with real business impact for Cloud
- Successfully maintained the Wolfram Language/Java-based ticket quota for consultants
JKU LIFT/LIT/IT:U (SUMMER SCHOOL), RESEARCHER, LINZ, AT - AUGUST-SEPTEMBER 2024
Collaboration w/ both Linz Institute of Techn. Center for Trans. and IT:U centred on impact
- Successfully applied for funding at 10K EUR volume to explore applications for my thesis
ARS ELECTRONICA/IDSA, RESEARCHER/FOUNDER, LINZ, AT - AUGUST-SEPTEMBER 2023
Project-based research in the real world, exhibit at Ars Electronica Festival, publicity work

I was part of the founding cohort for a new university for Austria.
- *IDSA, Institute for Digital Science Austria, later IT:U, Interdisciplinary Transformation University*

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Current Degree Work

in progress, > *anticipated completion date December 2024*

JOHANNES KEPLER UNIVERSITY, INSTITUTE OF MACHINE LEARNING, LINZ, AT – 2022-24 (ANTICIPATED)
MSc Artificial Intelligence, Reasoning and Knowledge Representation (Symbolic AI)
First AI curriculum in Austria, coursework-focus of educational leave Oct '22-Sept '23: detailed curriculum (Symbolic AI Elective Track); I see it as the theoretical extension of my studies in SE, at Inst. of ML under Hochreiter.
Applicant's Note: I will be applying to the "Broad AI" initiative (symbolic + subsymbolic AI) at Johannes Kepler as well as the new IT-U's "Computational X" impact-oriented programs in Linz, in addition to int'l (mostly US-based) programs in the 2024/25 cycle.

++ (University-) VOLUNTEERING
- *President Catholic University-Youth*
- *Vice-President Traktor Sports Group*
- *Choir + Theater Group Member*

***Personal website reflection piece** on my life at KHG, the catholic society at my university.*

Thank you for your consideration. Please see also https://heseltime.github.io/