JACK CODY HESELTINE

FIND ME ONLINE

🌐 **Personal Website**
rX Feed - heseltime

GitHub
heseltime

in **LinkedIn**
heselt-in-e

LANGUAGES

Java	Native	
Python	Native	
JavaScript	Advanced	
Wolfram Lang.	Advanced	
C#	Intermediate	

SKILLS

Agile Methodologies · Ansible · Angular ·

API · Statistics in Python and R · AWS ·

ECM · Github · Groovy · IT ·

JSON Documents and Archiving ·

Machine Learning in PyTorch · Maven ·

Middleware · Python · Terminal ·

Data Visualization · Technical Writing ·

Spring · Markdown · LaTeX ·

Linear Algebra in Numpy

TypeScript

VOLUNTEERING

Paramedic

Austrian Red Cross

03/2020 - 06/2020

I volunteered for a second national service conscription in Covid-19, just out of college.

TRAINING / COURSES

Wolfram Summer School '23

Tisch @ NYU Film Marketing Summer coursework '19

(Post) Prod./Int'l Film Institute @ SLC Extra coursework '15 - '19

ECM Engineer & Consultant w Research Experience

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🔗 https://www.linkedin.com/in/heselt-in-e/ 📍 Linz, AT

EXPERIENCE

Consultant Software Engineer during Masters   01/2024 - Present

Wolfram Research (Remote)   Champaign, IL

- **ticket-based work in** Java and Wolfram Language for engineering in the Cloud Project incl. LLM/other connectivities. Advanced use of WL for systems engineering
- **new feature development**: currently focusing on responsiveness/affordance design related to cloud operations. This requires careful propagation of data through many layers and integration with frontend, in addition to coordination with parallel team
- ties in with my Hagenberg thesis on pattern matching and functional programming with WL, employed for the Theorema project at RISC, on the one hand, and various symbolic in-roads in my JKU Masters, allowing for an application of post-grad study

Software Engineer + AI/LLM 4 ECM Researcher   03/2023 - 05/2024

FAW GMbH & FAW (Inst.) w Open Innovation Center   Hagenberg, AT

- supported **day-to-day**, stack: Alfresco, Spring, Java for ticket-based work and feature improvements; Maven, Ansible, Docker for containerization projects
- research leave granted by Red Cross: resulting in Alfresco **capstone project, w JKU**
- **rX** feed: I continue to work with the OIC on a project applying my thesis research

Red Cross DevOps Engineer + ECM Researcher   03/2020 - 09/2023

Austrian Red Cross, Linz Blood Bank (Covid-19)   Linz, AT
Research in ECM w FAW GMbH/Institute on Leave

- spearheaded custom development of an **ECM**: incl. API design, specification, back- and frontend engineering and Workflow/Pipeline design - general IT/Rube Goldberg - blood-banking machines/middleware: Java/Groovy-Frameworks, JavaScript, Forms
- designed + implemented **archiving system** for blood donation JSON/questionnaires
- project **coordination** w/ partner firms, **agile** methodologies, GXP **documentation**
- pursued the Hagenberg curriculum in Software Engineering next to full-time work by taking doubled courses offered on Friday afternoons and Saturdays, with add. online

Work Experience During College   07/2016 - 01/2020

Apple/The Gersh Agency/Scott Rudin Productions   New York, NY

- Paid positions including a customer service/group teaching **Genius role** in Grand Central Terminal, taking the train up and down from Sarah Lawrence College. 2 Yrs.
- **Film industry** infatuation, before going for code. Interest in how lit. IP becomes film; noteworthy: telephone and scripts assistantship for Mr Scott Rudin. 1 Yr cumulative.

EDUCATION

MSc in AI, Reasoning & Knowledge Repr. Track   01/2025

Johannes Kepler University, Linz (AT)

- Studied the extensive **AI curriculum** at institute headed by Sepp Hochreiter (LSTM)
- Thesis also with FAW & IIS @JKU: **Making Documents Barrierfree with LLMs**, applied in Open Innovation in Science/Ludwig Boltzmann Ges. Community Call: rX, obtained funding from JKU for 4 research fellows for 2 months (approx. 8000 EUR)

BScEng in Software Engineering   07/2024

Hagenberg Campus @ Univ. of Applied Sciences Upper Austria

- Renowned **Software Engineering curriculum** for training to complement self-taught
- Thesis w/ Res. Institute Symbolic Computation @JKU in Hagenberg Software Park, project in **Mathematical, Wolfram-Lang.-based Document Processing (Theorema)**

BA in Liberal Arts, Literature and Film Focus   01/2020

Sarah Lawrence College, NY (USA)

- Interned at Gersh Agency (General) + Hotchkiss & Daily (Literary). Computing- focussed final project. Started at the Red Cross after graduation (in Covid-19)