Elias Wachmann

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EDUCATION

KARL-FRANZENS-UNIVERSITY
Graz, AT | Oct 2020 - Jul 2023
BSc. Physics
- GPA: 1.32 (1 best; 5 worst)
- Tutor (Introduction to Programming [summer term 23])

GRAZ UNIVERSITY OF TECHNOLOGY
Graz, AT | Oct 2020 - today
BSc. Softwareengineering and Management
- GPA: 1.17 (1 best; 5 worst)
- Tutor (Data Structures and Algorithms [winter term 22])

BG/BRG - FÜRSTENFELD
Fürstenfeld, AT | 2011 - 2019
AHS-Matura (A-levels)
- GPA: 1.0 (1 best; 5 worst)
- Dr.-Hans-Riegel-Award for graduation work: How a Blockchain works with Bitcoin as an application example
- Lead organization and finances for school prom (profit > 60 000 €)

WORK EXPERIENCE

ERNST & YOUNG GMBH WBG | Intern | Financial Risk Consulting
Frankfurt, DE | Jul 2023 – Oct 2023
- Credit risk scorecard development (PD) for 7 country subsidiaries of large German bank (corporate portfolio)
- Semi-automated development and reporting process (IRB-approach) using R-shiny and SQL-databases

AVL LIST GMBH | Intern | Advanced Simulation Technologies
Graz, AT | Jul 2022 – Aug 2022
- Validated FE-simulations with reduced sampling for synchronous permanent magnet- & induction machines
- Streamlined and automated the validation process with python scripts

NIDEC CORPORATION | Intern | R&D - Global Appliance
Fürstenfeld, AT | Aug 2021 - Sept 2021
- Data analysis and cost optimization with international team for a new fridge compressor platform.
- Implemented a web scraper for market analysis of refrigeration equipment (> 3 500 products)

AUSTRIAN RED CROSS | Paramedic
Fürstenfeld, AT | Aug 2019 – Jul 2020
- Certified Austrian paramedic and trained emergency driver responsible for a crew of two and the patient

EXTRA-CURRICULAR ACTIVITIES

CIRCLE OF EXCELLENCE | Year 2022 & Executive Board Member | Marketing
Graz, AT | 2022 - today
- High potential program with 20 students each year selected from (≈ 60 000) university students
- Charity project: self-made kitchen calender with net profit (> 10 000 €) donated to orphans from Ukraine

AUSTRIAN RED CROSS | Vol. paramedic
Fürstenfeld, AT | 2019 - 2022
FIRE DEPARTMENT | Vol. firefighter & Board Member | IT
Großartmannsdorf, AT | 2011 - today

AWARDS

Merit-Based Scholarship in Physics 2020/21 & 2021/22
Top 10 % of students in Softwareengineering 2020/21 & 2021/22
Chemistry Olympiad silver medal 2018 & 2019
Goju-Ryu Karate National junior champion Kumite < 68 kg

Dr.-Hans-Riegel-Fachpreis for graduation work
Member of MINTTANK Graz - Kaiserschild-Stiftung
ISF - Orienteering School WC Italy 2017 Top 35
ISF - Orienteering School WC Turkey 2015 Top 25

SKILLS & INTERESTS

Languages: German (native) | **English** - EF SET English Certificate 88/100 (C2 Proficient)

Software: Python | C | C++ | R | VBA | (Postgre)SQL | Git | LaTeX | MS Excel | MS PowerPoint | MS Word | Linux

Certifications: **MIT** Introduction to Computational Thinking and Data Science | **VISA** Token Service Technology Program
McKinsey Firsthand | **Boston Consulting Group** EMERALDS Program | **E-fellows.net** Scholarship

Interests: Orienteering / Running | Drumming (17 years) | Skiing | Speedcubing (PB < 20 sec)