Alessandro Rossi

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Education

Technical University of Munich	Munich, Germany
*Bachelor's in Computer Engineering	GPA: 3.9/4.0*	*2018 – 2022*

- Computer Architecture → GPA: 4/4.0
- Algorithms and Data Structures → GPA: 3.8/4.0
- Object Oriented Programming → GPA: 3.9/4.0
- Linear Algebra → GPA: 3.7/4.0
- Databases → GPA: 4/4.0

Work Experience

Fintech Hub	— Germany
Co-Founder & Software Engineer	*03/2021 – Present*

- Co-founded a startup focusing on fintech solutions and digital payments.
- Developed advanced payment solutions utilized by various financial institutions across Europe.
- Led a team in developing cloud-based software solutions for digital banking platforms.

Technical University of Munich	— Munich, Germany
Research Intern	*06/2022 – 10/2022*

- Conducted research on cybersecurity focusing on encryption algorithms and network security.
- Performed in-depth analysis of TLS protocols and security tools.
- Developed software modules for secure data transmission in IoT networks.

Siemens Healthcare	— Munich, Germany
Software Engineer	*05/2022 – 01/2023*

- Developed software tools for patient data management.
- Integrated advanced security measures for protecting medical records.
- Contributed to the enhancement of healthcare software efficiency and data security protocols.

Side Projects

 jobhunter ai
- Achieved over 100 stars on GitHub, showcasing strong community interest and engagement.
- Developed an AI-based platform to streamline job searching, leveraging machine learning algorithms for enhanced user experience.

 mqtt analyzer
- Recognized by the community for providing a user-friendly tool for analyzing MQTT packets, receiving positive feedback from industry professionals.
- Utilized Python and various libraries to create an efficient data parsing tool, enhancing IoT data management capabilities.

 data scraper tool
- Gained traction with over 75 stars on GitHub, demonstrating effective utility in web scraping and data analysis.
- Built a custom tool using Python and Beautiful Soup to automate the scraping of public data sources for research and analysis.

Achievements

- **Fintech Solution Development Award:** Led the development of a fintech platform utilized by major banks across Europe, enhancing transaction efficiency and security.
- **Healthcare Data Security Excellence Award:** Successfully developed and implemented advanced security measures that protected sensitive medical data from breaches.
- **Cybersecurity Research Publication:** Contributed to significant cybersecurity research, leading to a publication on advanced encryption techniques in a respected journal.

Additional Skills

- Object-Oriented Programming
- Data Management
- Encryption Algorithms
- Network Security
- Algorithms and Data Structures
- Cloud Computing
- Cybersecurity
- Healthcare Software
- Computer Architecture
- Machine Learning
- Fintech Solutions
- **Languages:** German (Native), English (Professional)