Silas Ueberschaer

✉ silas.ueberschaer@gmx.de ⌂ Rambatzweg 6, Hamburg ☎ (+49)1525-4085473 ⌾ github.com/Silasueber

EDUCATION

University of Hamburg
Hamburg

Master of Science in Computer Science, Grade: 1.3 · *10/2022 - 08/2025 (expected)*
- **Exchange Program (6 Months):** Università degli Studi di Siena
- **Thesis:** The Impact of Tutorials on Player Experience and Performance in Virtual Reality Exergames (*Grade: pending*)

University of Hamburg
Hamburg

Bachelor of Science in Computer Science, Grade: 1.9 · *10/2018 - 06/2022*
- **Thesis:** Developing a Platform to Aid the Data Collection for Online Meeting Analytics (*Grade: 1.0*)

EXPERIENCE

Fraunhofer-Center für Maritime Logistik und Dienstleistungen
Hamburg

Full-Stack Developer & AI (Working Student) · *04/2024 - current*
- Developed an interactive dashboard using ReactJS, JavaScript, HTML/CSS, and packaged it with Docker for easy deployment
- Built a real-time transcription pipeline with WebSockets, enabling continuous audio streaming and live transcription
- Researched state-of-the-art NLP methods in Named Entity Recognition (NER) and implemented a post-transcription service to improve system performance
- Created and annotated domain-specific datasets and trained transformer-based NER models for maritime VHF radio communication

VitaMoment GmbH
Hamburg

Full-Stack Developer (Working Student) · *10/2023 - 04/2024*
- Optimized website and content structures to improve performance and user experience
- Contributed to the development of the company's Shopify store using HTML, CSS and Liquid
- Introduced and established a GitHub-based workflow to improve version control, collaboration, and deployment efficiency

Hermes Germany GmbH
Hamburg

Software Developer (Working Student) · *12/2021 - 10/2023*
- Contributed to the development of the open-source software Galapagos, focused on simplifying the use of Kafka clusters
- Implemented new features and enhancements using JavaScript and Angular, improving user experience and system usability
- Participated in feature design discussions and sprint planning sessions as part of a two-week Scrum cycle, contributing to iterative development and continuous improvement
- Supported the full software development lifecycle, including coding, testing, debugging, and deployment

Airbus Operations GmbH
Hamburg

Software Developer (Working Student) · *11/2019 - 06/2020*
- Designed and implemented a front-end sub-page to visualize real-time production status
- Collaborated on the full-stack development of an application for efficiency tracking and performance monitoring
- Integrated SQL queries into the front end using JavaScript, enabling dynamic data filtering and visualization with HTML/CSS

SKILLS

Programming
- **Frontend:** JavaScript, React, Next.js, HTML5, CSS3, TypeScript, Angular
- **Backend:** Java (Spring Boot), Python, C#, SQL
- **Tools:** Git, Docker, GitHub, Vercel, Liquid
- **Other:** Agile, Scrum, WebSockets, NER, NLP

Languages
- **Fluent:** German (native), English (C1)
- **Beginner:** Italian (A1)

PERSONAL PROJECTS

Peepo.live - Twitch-integrated Viewer Engagement Platform   *12/2024 - current*
- Built with React, JS, and integrated APIs like Spotify, TikTok, and YouTube
- Enabled user-submitted content moderation and dynamic room customization
- Enhanced streamer-viewer interaction via real-time voting and review flows

Rettungshundle.de - Wordle-Style Dog Adoption Site   *12/2023*
- Developed in JavaScript and Next.js; deployed via Vercel for performance
- Gamified the dog adoption process to improve visibility of shelter dogs

PERSONAL INTEREST

- **Long-distance running**: Passionate about endurance sports; completed four full marathons. Enjoys the discipline, mental resilience, and goal-setting involved in distance running

- **Badminton**: Active player since age 14, participates in tournaments throughout northern Germany

- **Sewing and tailoring**: Designs and sews clothing for personal use

- **Volunteering**: Volunteered 8 months at Fördern und Wohnen, providing weekly academic support and recreational activities for children. Gained valuable interpersonal skills and experience working with youth from diverse backgrounds