Potsdam, Germany · jan.mensch@gmx.net · +49 176 57 6646 88 · www.linkedin.com/in/jan-mensch

Jan Mensch | Resume

❱ Status: Graduate Student Business and Computer Science, Developer

❱ Interests: Database Engines, Cloud Infrastructure

❱ Top skills: C++, Python, Golang, Kubernetes, Docker, AWS, LaTeX

❱ Tools: Bash, GDB, CMake, Git, Helm, VS Code

EDUCATION

Master's Thesis Hasso Plattner Institute (HPI), Chair of Prof. Plattner — Dec. '19 - now

❱ Implemented a novel query execution engine based on Function as a Service (C++)
❱ System properties: Elastic compute layer, processes data in-situ, uses stateless workers
❱ Outperforms AWS Redshift in terms of cost, if queries are infrequent ($\leq$ 50 queries/hour)
❱ Shows the potential to outperform state-of-the-art database systems in terms of query latency

Master in Business and Computer Science University of Potsdam and HPI — Oct. '17 - now

❱ Focused on computer science, especially database systems
❱ Presumed average grade: 1.8

Bachelor's Thesis Fraunhofer Institute for Digital Media Technology — Apr. '17 - Sept. '17

❱ Designed and implemented an application for data anonymization
❱ Grade: 1.0

Bachelor in Business and Computer Science TU Ilmenau — Oct. '14 - Sept. '17

❱ Learned about computer science, business, and law
❱ Involved with voluntary work at student consulting Ilmenau and Wohnzimmerkultur
❱ Average grade: 2.6

A Levels Grotefend Gymnasium Hann. Münden — June '13

❱ Average grade: 2.5

Contact me for more **information** and **letters of recommendation**.

EXPERIENCE

Developer - Working Student HPI, Chair of Prof. Plattner, Potsdam, Germany — Dec. '19 - now

❱ Measure the performance of cloud infrastructure (C++, Python)
❱ Implement Database Systems (C++)

Developer - Working Student SAP Innovation Center, Potsdam, Germany — Mar. '18 - Sept. '19

❱ Develop applications, collect and analyze logging/metric data (Kubernetes, Docker)
❱ Implement a query parser (Golang)

Developer - Intern CrabxLab, Nanjing, China — Aug. '16 - Oct. '16

❱ Implement communication for Internet of Things devices (C#)
❱ Implement a web application (Vue.JS)

Developer - Working Student ICOM Automation, Ilmenau, Germany — Feb. '16 - Mar. '17

❱ Develop an algorithm for automated component balancing systems (C#)
❱ Develop a fronted for a windows desktop application (C#)

Voluntary Work SPORTS for Exceptional Athletes, San Diego, USA — Sept. '13 - July '14

❱ Create a mobile-first website, assist with fundraisers and events