

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

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 (≤ 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 Grotfend Gymnasium Hann. Münden June '13

- » Average grade: 2.5

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

EDUCATION

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

EXPERIENCE