

MATHEUS STOLET

Campus E1 5, Saarbrücken, Germany 66123

mstolet@mpi-sws.org

EDUCATION

PhD, Computer Science

2021 - current

Max Planck Institute for Software Systems

Advisor: Dr. Antoine Kaufmann

MSc, Computer Science

2019 - 2021

University of British Columbia

Thesis: Large Scale Federated Analytics and Differential Privacy Budget Preservation

Advisors: Dr. Ivan Beschastnikh and Dr. Aline Talhouk

BA, Computer Science - Minor, Philosophy

2015 - 2019

University of British Columbia

EMPLOYMENT

Research Assistant, University of British Columbia

May 2019 - Aug. 2019

- Developed a data analytics platform to perform distributed queries in hospitals and research centres
- Used differentially private techniques to prevent information leakage from distributed queries
- Presented my project in seminars at UBC and BC Cancer Research Centre

Software Engineering Intern, Thrive Health

May 2018 - Aug. 2018

- Developed a software module to help triage patients before surgery
- Used React and Redux to build features for webapp frontend
- Used AWS lambdas and SQS to scale deployment of media transcoder

TEACHING

Graduate Teaching Assistant, University of British Columbia

- CPSC 416: Distributed Systems

Jan. 2020 - May 2020

Undergraduate Teaching Assistant, University of British Columbia

- CPSC 317: Internet Computing

Sep. 2018 - Dec. 2018

PAPERS

Matheus Stolet, Liam Arzola, Simon Peter, Antoine Kaufmann. Virtuoso: High Resource Utilization and μ s-scale Performance Isolation in a Shared Virtual Machine TCP Network Stack. *Under Review*.

Vaastav Anand, Zhiqiang Xie, Matheus Stolet, Roberta De Viti, Thomas Davidson, Reyhaneh Karimipour, Safya Alzayat, Jonathan Mace. The Odd One Out: Energy is not like Other Metrics. In *HotCarbon 2022*

POSTERS

Matheus Stolet. Virtuoso TCP Stack: Squashing Isolation and Resource Efficiency Tradeoffs in Virtualized Environments. At *SOSP Student Research Competition*, 2023.

Matheus Stolet, Tony Mason. Finesse: Kernel Bypass for File Systems. At *EuroSys Conference*, 2020.

SKILLS

Programming Languages

C, Python, Go, and JavaScript

Languages

Portuguese and English

AWARDS

International Student Tuition Award , University of British Columbia *2019*

Dean's List , University of British Columbia *2016*

Trek Excellence Scholarship , University of British Columbia *2016*

Faculty of Arts International Student Scholarship , University of British Columbia *2016*