Aaron Philip Molt

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Hubenbühl 4
89075 Ulm

Education

University of Ulm — Okt. 2024 – ongoing
Master of Science in Computer Science — *Ulm*

University of Ulm — Okt. 2023 – Nov. 2024
Bachelor of Science in Computer Science — *Ulm*

University of Ulm — Okt. 2020 – Sept. 2023
Bachelor of Education in Mathematics and Computer Science (changed) — *Ulm*

Schubart Gymnasium Ulm — Sept. 2012 – July 2020
A-Levels — *Ulm*

Experience

Research Assistant – TU Braunschweig — Aug. 2025 – Present
Software Product Lines and Sampling — *Braunschweig*

Teaching – Kepler Gymnasium Ulm — Okt. 2021 – Present
Natural Science and Technology – Arduino — *Ulm*

Software Product Line Conference 2025 — Sept. 2025
Participant — *A Coruna, Spain*

Summmer School on Security Testing and Verification — 07.-10. Jul. 2025
Participant — *Brussels, Belgium*

Teaching Assistant — Okt. 2024 – Jul. 2025
Software Basic Project — *Ulm*

Project – Software Engineering in Practice — Nov. 2024 – Apr. 2025
Software Produkt Lines and Binary Decision Diagrams — *Ulm*

Feature Oriented Software Development Meeting — Mar. 2025
Talk: T-Wise Sampling Operations on Binary Decision Diagrams — *Köthen*

Software Product Line Conference 2024 — Sept. 2024
Student Volunteer — *Luxembourg*

Student Assistant — Apr. 2024 – July 2024
Computer Architecture – Labor — *Ulm*

Student Assistant — Okt. 2023 – Feb. 2024
Fundamentals of Technical Computer Science – Labor — *Ulm*

Student Assistant — Apr. 2023 – July 2023
Computer Architecture — *Ulm*

Student Assistant — Okt. 2022 – Feb. 2023
Fundamentals of Computer Architecture — *Ulm*

Publications

Pick Me: Judging Sample Quality with Binary Decision Diagrams. SPLC2025
Tobias Heß, Aaron Molt, Sabrina Böhm, Sebastian Krieter and Thomas Thüm

Improving Deterministic BDD Compilation with Counting-Free Computation of Atomic Sets. SPLC2025
Tobias Heß, Aaron Molt

T-Wise Sampling Operations on Binary Decision Diagrams. Universität Ulm, 2025
Aaron Molt

A Fast Counting-Free Algorithm for Computing Atomic Sets in Feature Models. arXiv:2501.12490, 2025
Tobias Heß, Aaron Molt

Technical Skills, Language Skills, and Interests

OS: Windows, Linux
Programming Languages: Python, Java, C#, MATLAB, C, R, VHDL, Assembly
Version Control: Git
Writing: LaTeX, Office
Languages: German (native), English (fluent)
Interests: Software Product Lines, Interaction Testing, Binary Decision Diagrams, Security, Software Architecture

Extracurricular

"Jugend Forscht" ("Youth Researches") 2020: 3rd place in Working Environment, and Winner Special Issue: Thinking Safety
Award "Best Paper Award Candidate" - SPLC2025
Sportbootführerschein Binnen und See