

H. Altan Birler, M.Sc.

PERSONAL INFORMATION

E-MAIL | hbirler@gmail.com
WEBSITE | <https://altan.birler.co/>
BIRTHDAY | Oct 14, 1997



EDUCATIONAL BACKGROUND

2019 - 2021 | TUM: Master of Science, Informatics
Graduated with High Distinction
German GPA 1.2 (Highest Grade 1.0)
2016 - 2019 | TUM: Bachelor of Science, Informatics
Graduated with High Distinction
German GPA 1.2 (Highest Grade 1.0)
2011-2016 | Istanbul Lisesi (Istanbuler Gymnasium)
German International School
MINT-EC Partner School
2016 | Diploma: Abitur

LANGUAGES

TURKISH | Mother tongue
ENGLISH | Excellent command
TOELF IBT - Score: 110/120
GERMAN | Excellent command
Sprachdiplom, 2012 - B1
Diploma: Abitur, 2016 - C2

FURTHER QUALIFICATIONS

Expert | C, C++
Advanced | C#, PYTHON, JAVA, JAVASCRIPT, HTML & CSS
Intermediate | SQL, ASP.NET, PYTHON FLASK
Proficient in theory | OCAML, APACHE SPARK, DIST. COMPUTING
Practical experience | LATEX, GIT
OPERATING SYSTEMS | Windows, Ubuntu, Raspbian
SOFTWARE | Adobe Photoshop, Adobe Premiere Pro, Adobe Illustrator

PUBLICATIONS

2020 | Concurrent Online Sampling for All, for Free
Altan Birler, Bernhard Radke, Thomas Neumann, DaMoN 2020
2019 | Scalable Reservoir Sampling on Many-Core CPUs
Altan Birler, SIGMOD 2019 SRC

EXPERIENCE

FEB 2022 - PRESENT	PhD Student - TUM Databases Chair <i>Research on query optimization & cardinality estimation</i>
MAR 2018 - DEC 2021	Research Assistant - TUM Databases Chair <i>Research on query optimization & cardinality estimation</i>
AUG 2020 - OCT 2020	Software Engineering Internship - Salesforce Munich <i>I worked on prototyping new features for the Hyper database.</i>
JAN 2019 - OCT 2020	Member of the TUM Junge Akademie <i>"TUM Junge Akademie is the TUM's scholarship program for exceptionally talented and dedicated students."</i>
JUL 2018	OrbiTUM Art Exhibition <i>Art project displayed at Karolinenplatz Munich</i> <i>As part of the OrbiTUM exhibition celebrating 150 years of TUM</i>
MAR 2017	Junior Software Developer - Celonis <i>Core Development & Backend Optimization</i>
2015 - 2016	Part of a Project Team at Yıldız Technical University <i>Research Mentor: Hüseyin Üvet, Assistant Professor</i>
2013 - 2016	Istanbul Lisesi Olympiads Club Teacher & Advisor <i>Taught lessons in C, C++, Algorithms & Data Structures, Discrete Math</i>
2011 - 2016	Istanbul Lisesi Olympiads Club <i>President of Computer Science & Physics Divisions</i>
MAR 2016	MINT Camp - Mobilität (Mobility) <i>Represented my school at a scientific camp in Bochum</i>
2014 TO 2015	Technology Student Association <i>National Officer of Turkey @Texas USA</i>
2014 TO 2015	TEDx@IEL Conference <i>Istanbul High School - Bremen</i>
MAR 2014	MUN Schleswig-Holstein Conference <i>Delegate</i>
FEB 2013	SEV jMUN Conference <i>Chair of Human Rights Committee</i>
2012 TO 2013	Istanbul Lisesi Robotics Club <i>Programmer</i>
2012 TO 2013	IELMUN 2013 Conference <i>Head of IT</i>

AWARDS & ACHIEVEMENTS

NOV 2019	Vienna Freshers 2019 <i>Won the Vienna Freshers 2019 Debate tournament with team of two.</i>
DEC 2018	SIGMOD Student Research Competition 2019 <i>I was invited to present my poster in the SIGMOD 2019 conference.</i>
MAY 2018	best.in.TUM <i>Promotion of outstanding students at the Department of Informatics</i>
JULY 2017	GCPC 2017 <i>German Collegiate Programming Contest National 3rd Place as team "Lambda"</i>
NOV 2016	HackaTUM <i>First prize in challenge with project DataLvr</i>
DEC 2015	USACO <i>Platinum Level Perfect Score on Dec14 Gold & Dec15 Gold</i>
NOV 2015	TUBITAK National Informatics Olympiad <i>Gold Medal</i>
OCT 2015	SAT & ACT & AP <i>SAT Superscore: 2290/2400 & ACT Composite Score: 36/36 SAT 2 Math & Physics: 800/800 AP Physics C, Microeconomics, CS, Calculus BC, German Lang. & Cult: 5/5</i>
JUN 2015	TUBITAK National Informatics Olympiad <i>First Stage Regional 1st Place, National Public School 1st Place Last Stage Finalist (11th)</i>
FEB 2015	Codeforces <i>Max Rating: 1844</i>
MAR 2012	Känguru der Mathematik <i>Erste Preis (First Prize)</i>
SEP 2011	4 Year Piano Diploma <i>From ITU Ispirtohane Conservatory</i>
2011	National High School Placement Examination (SBS) <i>Top 99.95% Percentile</i>
2011	EBIKO International Web Design Competition <i>1st Place</i>
2010	Gauss International Mathematics Competition <i>Perfect Score</i>

PERSONAL INTERESTS AND HOBBIES

[Photography](#), design (web design, poster design, logo design), video game development, dancing, table tennis, role-playing (pen&paper) games