

Mehmet Furkan Sahin

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OBJECTIVE	I am a computer engineer who loves solving challenging problems. This is why I am currently working on distributed databases. My objective is to solve difficult problems to make people's life easier by using the virtue of computer science in any field.		
EDUCATION	Faculty of Engineering, Bilkent University, Ankara		
	B.S. in the Department of Computer Engineering		June 2017
	<ul style="list-style-type: none">• CGPA: 3.71/4.00• Ranked 659th. in Nationwide University Entrance Exam among 1.8 million students.		
EXPERIENCES	Software Engineer		July 2017 - Present
	Citus Data Inc., Istanbul, TURKEY		
	<ul style="list-style-type: none">• I work together with Cloud and Core teams to increase Citus integration for cloud services.• I created an open source PostgreSQL extension called <i>TopN</i> to approximate the top n number of elements from a table. For information reach to <i>my blog post</i>.• I worked on Window Function support for distributed PostgreSQL tables.		
	Publication		October 2016
	The cBioPortal for cancer genomics and its application in precision oncology		
	<ul style="list-style-type: none">• I worked on the transformation of cbiportal.org from Flash to cBioPortal JS.• The cBioPortal for Cancer Genomics provides intuitive visualization and analysis of complex cancer genomics data.		
	Research Assistant		July 2016 - August 2016
	Institute of High Performance Computing, A*Star, SINGAPORE		
	<ul style="list-style-type: none">• I worked on a 3D robotic arm model which can play ping pong.		
	Software Engineering Intern		May 2016 - July 2016
	Citus Data Inc., Istanbul, TURKEY		
	<ul style="list-style-type: none">• I created percentile approximations extension for PostgreSQL. Percentile queries are speeded up 400x.		
	Undergrad Researcher		Aug 2015 - Jan 2016
	Human-Computer Interaction Group - EPFL, SWITZERLAND		
	<ul style="list-style-type: none">• I developed a data visualization tool for MOOCs data with D3 JS.		
PROJECTS	CrypDist, Senior Project, Bilkent University		May 2017
	CrypDist is a blockchain based encrypted content distribution network. The project aims to avoid data access blocks and reduce the time needed to deliver big data.		
	Distributed Hash Table Bilkent University		May 2017
	Implemented a scalable and fault-tolerant distributed hashtable, structured with Chord algorithm.		
	High Dynamic Range Histogram, Citus Data		June 2016
	Created a histogram based percentile approximation extension for PostgreSQL database systems. It provides 400x speed increase with 0.0001 error ratio.		
	Section Checker, Bilkent University		Sep 2016 - Dec 2016
	Developed a program which checks available quotas periodically for desired course section and warns the user in case of availability. It was used by more than 1000 Bilkent University students in course selection period.		
	Beatify, Ecole Polytechnique Federal de Lausanne		Dec 2015
	Beatify is a music player android application which finds the best music from the Spotify account of the user according to the his instant heart rate.		
HONORS & SCHOLARSHIPS	High Honor roll, Bilkent University		2013 - 2017
	Undergraduate Researcher Scholarship, Turkish Science Foundation		2015
	IEEEExtreme Top Ranked Coder, IEEE		2013 - 2016
SKILLS			
Programming	C/C++, Java, Python, Ruby, PostgreSQL, VERILOG, MIPS Assembly, JavaScript		
Languages	Turkish (Native), English (Professional Proficiency), French(Beginner), German(Beginner)		