

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 <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 Citrus Data Inc., Istanbul, TURKEY	July 2017 - Present	
	<ul style="list-style-type: none">• Currently I am working on projects to increase the SQL coverage of Citrus such as Window function support on distributed tables. I also created a standalone PostgreSQL extension called <i>topn</i> which is used to approximate the top n number of elements from a distributed table.		
	Publication The cBioPortal for cancer genomics and its application in precision oncology	October 2016	
	<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 Institute of High Performance Computing, A*Star, SINGAPORE	July 2016 - August 2016	
	<ul style="list-style-type: none">• I worked on a 3D robotic arm model which can play ping pong.		
	Software Engineering Intern Citrus Data Inc., Istanbul, TURKEY	May 2016 - July 2016	
	<ul style="list-style-type: none">• I created percentile approximations extension for PostgreSQL. Percentile queries are speeded up 400x.		
	Undergrad Researcher Human-Computer Interaction Group - EPFL, SWITZERLAND	Aug 2015 - Jan 2016	
	<ul style="list-style-type: none">• I developed a data visualization tool for MOOCs data with D3 JS.		
PROJECTS	CrypDist, Senior Project, Bilkent University 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.	May 2017	
	Distributed Hash Table, Bilkent University Implemented a scalable and fault-tolerant distributed hashtable, structured with Chord algorithm.	May 2017	
	High Dynamic Range Histogram, Citrus Data Created a histogram based percentile approximation extension for PostgreSQL database systems. It provides 400x speed increase with 0.0001 error ratio.	June 2016	
	Section Checker, Bilkent University 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.	Sep 2016 - Dec 2016	
	Beatify, Ecole Polytechnique Federal de Lausanne 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.	Dec 2015	
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++, PostgreSQL, Java, Python, VERILOG, MIPS Assembly, Scala, JavaScript		
Languages	Turkish (Native), English (Professional Proficiency), French(Beginner), German(Beginner)		