

# Mehmet Furkan Sahin

(+90) 539 202 6442  
sahinffurkan@gmail.com

<b>OBJECTIVE</b>	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.		
<b>EDUCATION</b>	<b>Faculty of Engineering, Bilkent University, Ankara</b> B.S. in the Department of Computer Engineering		June 2017
	<ul style="list-style-type: none"><li>• CGPA: 3.71/4.00</li><li>• Ranked 659th. in Nationwide University Entrance Exam among 1.8 million students.</li></ul>		
<b>EXPERIENCES</b>	<b>Software Engineer</b> <b>Software Engineer II</b> Microsoft, Istanbul, TURKEY	Jan 2019 - Apr 2019 Apr 2019 - Present	
	<ul style="list-style-type: none"><li>• I have been working as a Software Engineer on Hyperscale (Citius) product which is an Azure Cloud based fully managed database management system.</li></ul>		
	<b>Software Engineer</b> Citius Data Inc. Istanbul, TURKEY	July 2017 - Jan 2019	
	<ul style="list-style-type: none"><li>• 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>.</li><li>• I am focused on increasing SQL support for distributed tables</li></ul>		
	<b>Research Assistant</b> Institute of High Performance Computing, A*Star, SINGAPORE	July 2016 - August 2016	
	<ul style="list-style-type: none"><li>• I worked on a 3D robotic arm model which can play ping pong.</li></ul>		
	<b>Software Engineering Intern</b> Citius Data Inc., Istanbul, TURKEY	May 2016 - July 2016	
	<ul style="list-style-type: none"><li>• I created percentile approximations extension for PostgreSQL. Percentile queries are speeded up 400x.</li></ul>		
	<b>Undergrad Researcher</b> Human-Computer Interaction Group - EPFL, SWITZERLAND	Aug 2015 - Jan 2016	
	<ul style="list-style-type: none"><li>• I developed a data visualization tool for MOOCs data with D3 JS.</li></ul>		
<b>PROJECTS</b>	<b>CrypDist, Senior Project, Bilkent University</b> 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	
	<b>Distributed Hash Table, Bilkent University</b> Implemented a scalable and fault-tolerant distributed hashtable, structured with Chord algorithm.	May 2017	
	<b>High Dynamic Range Histogram, Citius Data</b> Created a histogram based percentile approximation extension for PostgreSQL database systems. It provides 400x speed increase with 0.0001 error ratio.	June 2016	
	<b>Section Checker, Bilkent University</b> 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	
	<b>Beatify, Ecole Polytechnique Federal de Lausanne</b> 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	
<b>HONORS &amp; SCHOLARSHIPS</b>	<b>High Honor, Bilkent University</b> <b>Undergraduate Researcher Scholarship, Turkish Science Foundation</b> <b>IEEEExtreme Top Ranked Coder, IEEE</b>	2013 - 2017 2015 2013 - 2016	
<b>SKILLS</b>			
<b>Programming</b>	C/C++, Java, Python, Ruby, PostgreSQL, VERILOG, MIPS Assembly, JavaScript		
<b>Languages</b>	Turkish (Native), English (Professional Proficiency), French(Beginner), German(Beginner)		