

# Paschalis Tsilias

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## Personal

Resourceful SWE and Physics MSc, with strong analytical skills, a robust technical background, and hands-on experience in the IT sector. Looking forward to setting new challenges, cooperating in a team setting and engineering effective solutions in real-world problems. Vim person.

## Education

MSc Computational Physics, AUTH 2018-2019  
*Data Analysis, Advanced Statistics, Numerical Methods, HPC*

Greek Army Mandatory Service 2017

BSc Physics, AUTH 2011-2017  
*Software Simulations, Development of a Data Acquisition and Analysis system*

## Employment

**Software Engineer, Sigmia/Oracle** **March 2018 - Present**  
*Back end development and maintenance of complex decision support systems for multinational corporations. I make sure our systems are robust, documented, testable and follow the principle of least astonishment.*  
Linux Administration Agile Development in Python and Go, Data Analysis  
Oracle Retail Predictive Application Server MOLAPs, Oracle DB, Shell Scripting

**Research Internship, KAIST, South Korea** **Q3 2016**  
*C++ code, Monte Carlo simulations, Pattern Recognition*

**The Web Navarinou, Systems Engineer Role** **2013 - 2016**  
*Developed automation and monitoring applications, as well as data parsing tools. Responsible for the Server and Network infrastructure reliability, as well as the life-cycle and deployment of critical corporate software.*

## Skills and Projects

Python (numpy/pandas/matplotlib)	Go	Bash	Git
Concurrency	Virtualization	LXC/Docker	Advanced Statistics
Linux Sysadmin	Vim	AWS	Jenkins
SQL (SQLite/Postgres)	OLAP	Flask	Apache
Data Analysis	Advanced Statistics	Visualization	L <sup>A</sup> T <sub>E</sub> X

Developed a rudimentary ray tracer, a ray marcher and am currently building a renderer in Go, available on Github.

Am currently building a scale-able pastebin clone with a twist.

Published tweetstream.space which allows indexing tweets in specific timeframes.

I like to analyze NBA statistics from basketball-reference.com