Georgios Antzigai

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Citizenship	EU, Greece
Residence	London, UK
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The latest version of this CV   https://github.com/ayorgo/cv/blob/master/Georgios-Antzigai-CV.pdf

Summary

An experienced software engineer striving to make a career in data science.

I quit my software development job to dedicate 100% of my time to studying probability, statistics, data analysis and machine learning.

I have extensive commercial experience with **SQL** (MS SQL Server, SQLite), building **RESTful APIs**, **Test Driven Development** (unit testing, integration testing), **Continuous Integration** (TeamCity, Jenkins, git, SVN).

What I've been self-studying for the past months:

- **probability theory**, **inferential statistics** (point estimates, confidence/credible intervals), **exploratory data analysis** (data wrangling, data visualization), **confirmatory data analysis** (hypothesis/significance testing)

- **R** (stats, dplyr, tidyr, ggplot2), **Python** (pandas, NumPy, SciPy, matplotlib, bokeh)

Courses

Machine Learning by Stanford University
Jan 2017
Coursera https://www.coursera.org/account/accomplishments/records/AL4F455VW4DX

Education

National Technical University of Ukraine "Kyiv Polytechnic Institute"
2005 - 2007
Solid-state physics, PhD study
Approximate analytical model of anisotropic coordinate-sensitive radiation detector, comparison to numerical 3D-simulation. With the numerical simulation, a system of second-order nonlinear differential equations was solved taking into account the heats released (absorbed) by eddy thermoelectric currents:

- Snarskii A. A. Adzhigai G. V. Ascheulov A. A. Coordinate-sensitive anisotropic radiation detector. Analytical description and numerical simulation. Journal of Thermoelectricity. 2005, No. 1. - p.80-86.
- Snarskii A. A. Adzhigai G. V. Bezsudnov I. V. On the inherent figure of merit of thermoelectric composites. Journal of Thermoelectricity. 2005, No.4. - p.74-81. http://arxiv.org/abs/cond-mat/0609447
- Snarskii A. A. Adzhigai G. V. Bezsudnov I. V. Thermoelectric properties of macroscopically inhomogeneous media, 25th International Conference on Thermoelectrics - Vienna, Austria, 2006.

National Technical University of Ukraine "Kyiv Polytechnic Institute"
1999 - 2005
Applied mathematics, MSc

Experience

Software Engineer

Jun 2015 – Mar 2017 (1 year 10 months)

Zopa http://www.zopa.com/

Took part in the peer-2-peer lending revolution:
- As a software engineer designing and enhancing core parts of the platform such as matching engine and repayment processing, building REST API using C# 6, Web API 2.0 and Swagger (along with RabbitMQ for messaging, TinyIoC and StructureMap for dependency injection, NUnit and Moq for unit testing)
- As an occasional data analyst building advanced reporting solutions off company's MS SQL Server 2008 database utilizing various T-SQL capabilities including common table expressions, cursors, ranking etc which, quite contrary to the common belief, in some cases can improve query performance dramatically. Used Quartz as a scheduler

Experienced Engineer

Jun 2014 – Feb 2015 (9 months)

InsightSoftware.com http://www.insightsoftware.com/

Contributed to both server and client ends of company's bespoke BI system:
- Fixed and enhanced system's core SQL generating engine
- Maintained local JavaScript-based SVG graphics library including thorough refactoring, performance enhancements and development of key new features

.NET Developer

Apr 2013 – May 2014 (1 year 2 months)

EPAM Systems, Barclay's development center http://www.epam.com

Maintained, redesigned and enhanced corporate banking software within various teams or acting independently:
- Developed a set of multi-tier WCF based services using IoC which dramatically improved platform's responsiveness and scalability
- Created a data import and processing tool using advanced SQL and existing scheduling engine.
- Set up continuous integration environments for above mentioned projects using TeamCity, with unit testing, code quality control (StyleCop and Sonar) and NuGet package management

.NET Web Developer

Sep 2011 – Apr 2013 (1 year 7 months)

Terrasoft Ukraine http://www.bpmonline.com

Developed a web based CRM application on both front and back sides:
- Created a number web controls for bespoke UI engine using ExtJ, CSS and HTML
- Integrated Highcharts interactive library into the existing application
- Developed business logic solutions for various vertical solutions using C#, WCF, ASP.NET and T-SQL

Senior System Dev. Consultant

Feb 2006 - Apr 2011 (5 years)

SimCorp Ukraine LLC http://www.simcorp.com

Developed and maintained bespoke investment management system within a team of 3 developers:
- Built data extraction/analysis utility using **Dyalog APL** and **PL/SQL**
- Took part in various development projects across the company as a senior consultant
- Coached and supervised junior developers