

## Georgios Antzigai

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The latest version of this CV <https://github.com/ayorgo/cv/blob/master/Georgios-Antzigai-CV.pdf>

## Summary

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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 focusing on for the past months:

- **probability theory, inferential statistics** (point estimates, confidence/credible intervals, hypothesis/significance testing), **exploratory data analysis** (data wrangling, data visualization)
- **R** (stats, dplyr, tidyr, ggplot2), **Python** (pandas, NumPy, SciPy, matplotlib, bokeh)

## Courses

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### Machine Learning by Stanford University

Jan 2017

Coursera <https://www.coursera.org/account/accomplishments/records/AL4F455VW4DX>

## Education

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### National Technical University of Ukraine "Kyiv Polytechnic Institute"

2005 - 2007

#### Solid-state physics, PhD study (not complete)

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

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### Data Scientist

May 2018 – Present time

**ETX Capital** [etxcapital.com](http://etxcapital.com)

Applying python to machine learning, data analysis, and reporting.

### Software Engineer

Jun 2015 – Mar 2017 (1 year 10 months)

**Zopa** [zopa.com](http://zopa.com)

Worked on company's peer-to-peer lending platform:

- As a software engineer designed and enhanced core parts of the platform such as matching engine and repayment processing using C#
- As an occasional data analyst built advanced reporting solutions in T-SQL

### Experienced Engineer

Jun 2014 – Feb 2015 (9 months)

**InsightSoftware.com** [insightsoftware.com](http://insightsoftware.com)

Contributed to both server and client ends of company's bespoke BI system:

- Fixed and enhanced system's core SQL generating engine written in C#
- 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** [epam.com](http://epam.com)

Maintained, redesigned and enhanced corporate banking software within various teams or acting independently:

- Developed a set of multi-tier WCF services
- Created a data import and processing tool using advanced SQL and existing scheduling engine
- Set up continuous integration environments for the above-mentioned projects using TeamCity along 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** [bpmonline.com](http://bpmonline.com)

Developed a web-based CRM on both front and back ends:

- Created a number of UI web controls using ExtJS, CSS, and HTML
- Integrated the Highcharts interactive library
- Developed various back-end solutions using C#, WCF, ASP.NET, and T-SQL

### Senior System Dev. Consultant

Feb 2006 - Apr 2011 (5 years)

**SimCorp Ukraine LLC** [simcorp.com](http://simcorp.com)

Developed and maintained custom 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