

## Georgios Antzigai

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

## Summary

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Full stack machine learning engineer.

Able to deliver machine learning solutions starting from data collection all the way to exposing the resulting model via APIs deployed in the cloud.

Apart from **R** (stats, dplyr, tidyr, ggplot2) and **Python** (scikit-learn, pandas, NumPy, SciPy, matplotlib, bokeh) I have a commercial experience in applying **inferential statistics** (point estimates, confidence/credible intervals, hypothesis/significance testing, time series analysis) and **exploratory data analysis** (data wrangling, data visualization).

I also know a thing or two about **SQL** (MS SQL Server, SQLite), building **RESTful APIs**, **Test Driven Development** (unit testing, integration testing), **Continuous Integration/Deployment** (TeamCity, Jenkins, git, SVN), **cloud services** (AWS, Azure).

## 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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### Lead Data Scientist

Nov 2018 – Present time

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

Leading the team of two data scientists

### Data Scientist

May 2018 – Nov 2018

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

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

- Established the python development and deployment pipelines for the company
- Built a classification model using scikit-learn + statsmodels packages for the model itself and pandas + matplotlib + seaborn for exploratory data analysis and data cleansing
- Productionised the above model in a form of RESTful APIs using Flask and Microsoft IIS
- Delivered numerous reporting solutions of various complexity using python and T-SQL

### Self studying Data Science

Apr 2017 – May 2018

I quit my software development job to pursue my passion and dedicate all of my time and resources to studying probability, statistics, data analysis and machine learning

### 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