ABOUT ME

I am a Python developer wtih experience in data science and web development teams. I believe in building things right, building the right things, and having fun while doing it. That means caring about code quality and testing, releasing small and iterating, practising open communication and always reflecting on my processes. Looking for a new position where I can make a difference.

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WORK EXPERIENCE

OCTOBER 2018 - PRESENT

Senior Software Engineer at Threads Styling, London

Building client-facing solutions and internal integrations for a chat-based luxury shopping platform.

- Built support for new payment methods

- Productionized older code by writing tests before refactoring

- Improved the local setup (Docker/docker-compose) and integrated services into Circle CI

MARCH 2017 - AUGUST 2018

Senior Software Engineer at siroop, Zürich

Worked in the data science and the web development team of a Swiss e-commerce platform with thousands of sales every day.

Full Stack Web development

- Built critical features from scratch (voucher and promotion support, custom brand pages, integration of analytics tracking) using Django, Flask and RESTful services

- Extended existing functionality (product pages, CMS service and payment system) practising TDD and pair programming

- Optimized test running time, local deployments with docker-compose and other aspects of the day to day development process

- Updated and deployed new AWS infrastructure (lambdas, Kinesis stream, DynamoDB) using Terraform

- Participated and led agile ceremonies (stand-ups, retrospectives)

- Acted as deputy team lead for a team of 7 and mentored more junior engineers

Data Engineering

- Worked closely with data scientists to build a tool library

- Introduced and set up airflow as a pipeline manager for the recurring jobs

- Introduced and set up databricks as a development environment

- Did troubleshooting for all scaling and cluster issues the data scientists faced (pySpark and pandas)

WORK EXPERIENCE CONTD.

NOVEMBER 2015 - FEBRUARY 2017

Lead Data Engineer at Tracktics GmbH, Zürich

Responsible for overseeing the extracting of insights from GPS and sensor data, collected from a tracker worn by football players in the field.

- Built a data pipeline based on celery to automatically process the raw data (various stages, eg: a MATLAB program developed by domain experts in sensor data, Jupyter notebooks and python modules, chained together)

- Designed and oversaw the collection of test data to evaluate our algorithms

- Built evaluation into the data pipeline (in a way that externals could use it, and internals could easily create new report templates for new metrics)

- Built a library of common functionality together with the data scientists and mentored junior engineers

SEPTEMBER 2013 - JUNE 2015

Software Engineer at Teralytics AG, Zürich

Worked as a software engineer, extracting insights from mobile phone data and supporting my colleagues to do so.

- Created data pipelines to go from raw data to automatically updating web dashboards (using luigi)

- Created interactive visualizations of geospatial data (using PostGIS, d3, QGIS)

- Built a library to unify access to all the different data sources from telco providers (in Scala)

SELECTED CONFERENCES AND ARTICLES

2017	Speaker at PyData Berlin conference: Patterns for Collaboration between Data Scientists and Software Engineers video | article
2016	Published reflections on the future of Data Pipelines and the future of Python for Data Science
2015	Tutorial with Python code snippets: Exploring a UFO sightings dataset
2015	Article: Common mistakes with Python and Big Data
2015	Workshop on visualizing geotemporal data QGIS user & dev conference (plugin co-authored)
2014	Presented published paper at Very Large Databases Conference 2014
2014	Speaker at PyData Berlin conference on Mall Analytics (from prototype to product)

Education

2011 – 2013	**Master of Science** Computer Science *ETH Zürich* GPA: 5.5/6 (also received scholarship)
2007 – 2011	**Bachelor of Science** Computer Science *University of Athens* GPA: 9.3/10 – Top graduate in fall 2011

Selected Freelance or Other Work

Node Developer for SignedBlock, Athens

Extended and dockerized a program for live collection of data from the cryptocurrency market.

QGIS Plugin Developer for OpenGis.ch, Zürich

Responsible for developing Python plugins for geospatial data management.

Python and Data Engineering Tutor, online

Micro-consulting via codementor.io on several data science/engineering projects.

Mentor at Andela, online

Mentored junior programmers in Python, testing and programming patterns to prepare them for working remotely.

Data Consultant for New Incentives, Zürich

Created a data pipeline in Scala to sync data daily across mobile devices and Google spreadsheets.

Software Engineering Intern, Google Zürich

Migrated a feature of Youtube Analytics to the new backend.

Languages

English, German and Spanish in full professional capacity. Greek as mother tongue, some French.

Personal Interests

Painting (have some professional training), Social Science, Travelling. I have combined my thinking/practice as a programmer with those of being an artist to create a Drawing for Techies Workshop, which I have run multiple times in Switzerland, Germany and the UK.