

GIORGOS TZAMPANAKIS

Date of Birth: 20 August 1984
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Education

2009–2010, Heriot-Watt University, Edinburgh, MSc in Information Technology (Applied Systems) with Distinction (received A grade in all 8 modules). The title of my MSc Project was “From Gates to RISC: Digital Logic and Computer Architecture Experiments for an Enhanced Student Learning Experience”.

2003–2009, Technological Educational Institute of Pireaus, Greece, Degree in Electrical Engineering with final grade “Very Well”, 6.74/10. The title of my dissertation was “Analysis of Nonlinear Circuits” and it presented algorithms and data structures used when analysing such circuits on computer SPICE-like systems.

Employment

August 2015–now: Python Developer at **Wargaming.net** in Nicosia, Cyprus, implementing an internal Payment System project.

September 2014–August 2015: Billing Developer at **Playtech** in Nicosia, Cyprus. Playtech is an online gaming company; it was in the process of overhauling its billing process, introducing more automation and interfacing with external billing software. My role was the main software development resource of the billing team.

September 2013–September 2014: Senior Programming Subject Matter Expert at **Am-docs** in Limassol, Cyprus. I was assigned to the Revenue Management division, and more specifically to the Accounts Receivable (AR) module. AR leverages the Weblogic Java EE application server and the Oracle database to manage payments for very large telecommunication companies.

April 2013–July 2013: Software Developer at **Qobo** in Nicosia, Cyprus. Qobo is a startup that aims to offer business software solutions. The company being in their planning stage, my duties were primarily to evaluate Java frameworks that could be used by the company.

November 2010–January 2013: Software developer at **CRM.COM** in Nicosia, Cyprus. CRM.COM is Customer Relationship and Billing Management software for Pay TV, Retail, Energy and other industries. Technologies that I worked with daily included Java EE, SQL, Hibernate, Jasper Reports and many more.

June 2008–December 2008: Shift Engineer at Hospital “Attikon” in Athens, working for private contractor **MELKAT** (fulfilling the 6 months of employment that was a mandatory part of my Electrical Engineering degree). My duties were mostly to monitor and operate the heating and cooling systems of the hospital via Honeywell’s Building Management System.

Skills

Programming languages: Python, Java, Javascript, C, C++, bash, SQL.

Libraries: JavaEE, jQuery, Hibernate, Django.

Database Management Systems: SQLite, Oracle, MS SQL Server, IBM DB2, MySQL.

Web: HTML, CSS.

Mathematical Software: MATLAB, Numpy, Scipy, R, Mathematica, Octave, Maxima.

Operating Systems: Windows, Linux.

HDL: Verilog HDL.

Document Preparation: L^AT_EX, Office, OpenOffice.org.

Code Samples / Released Software

- Code samples can be found at <https://github.com/gtzampanakis>.
- A Python implementation of the FastSS string similarity calculation algorithm. It is the first Python implementation of the algorithm. Available (along with source code) at <http://pypi.python.org/pypi/fastss>.
- HTTP downloader utilising a compressed disk cache. Ideal for use in writing web scrapers. Available (along with source code) at <http://pypi.python.org/pypi/downloader>.

Websites

www.bgtrain.com: A backgammon training application; users are given position problems and their answers are evaluated against the computer analysis, which is provided by the GNU Backgammon engine. The system subsequently uses a user's answer history to pick problems close to the his/hers playing strength. Also features a comments system and a leaderboard. Developed from scratch using Python and MySQL.

www.statsfair.com: Regularly and automatically updated statistical ratings for the games of tennis and snooker. Playing strength can be plotted against time. Estimates of the win probability for each user-selected pair of players are also provided. A section of the website provides a live odds feed from a large bookmaker. Developed from scratch using Python and SQLite.

Background

- My nationality is Greek and I come from Athens.
- My native language is Greek; my English is fluent.
- As a Greek citizen I can travel and work freely within the EU.
- I greatly enjoy working in problems that combine Engineering, Mathematics and Programming, especially Digital Signal Processing, Control Systems and Artificial Intelligence.