

Curriculum Vitae

Efstathios Sideris

Personal Details

date of birth: 10/05/1979

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nationality: Greek

Education

PhD studentship: University College London (UCL), Immunology and Molecular Pathology department, research project linked to research assistantship. Main themes:

- Development of **Java Swing application/mysql back-end** (meditor – approx 40k lines of code) for the annotation of biological experiments using formal and semi-formal standards (object models and ontologies),
- **Integration of data** produced with preexisting database using the domain-appropriate XML format,
- **Analytical work** involving the validation of clustering of biological data using diverse data-mined evidence. Achieved through the development of object-oriented Perl modules for parsing, database handling, statistics and visualisation, in a Linux environment.

Sep 2003 to May 2007
(viva pending)

MRes in Bioinformatics: Birkbeck College of University of London. Research project: *Structural classification of proteins that exhibit high homology.*

Sep 2001 to Sep 2002

BSc in Biochemistry: Queen Mary College of University of London (Level: Upper Second).

Sep 1998 to Jun 2001

'A' level equivalents: Mathematics, Physics, Chemistry and Modern Greek.

Sep 1996 to Jun 1997

Employment Experience

Senior Application Engineer at InforSense (www.inforsense.com)

Aug 2007 to present

Research assistant at Birkbeck College, Computer Science department.

Jan 2006 to Jul 2007

Research assistant at University College London (UCL), Biochemistry department.

Sep 2002 to Dec 2005

Giving tutorials and demonstrating for practicals for Birkbeck College (University of London), for the *Perl*, *Java* and *databases* modules of the Bioinformatics MSc course.

Sep 2002 to Oct 2006
(part-time)

Development and maintenance of a new web site for Reporter Images, as a freelancer. Duties involved:

Nov 2001 to Mar 2002

- Design of the web pages: HTML and Javascript code, Flash content and graphics.
- Testing the PHP-based interface.

Development of a Linux GUI application for the manipulation of Circular Dichroism data. Written in C++ and the *Qt API*. (Third year project for BSc at Queen Mary)

Sep 2000 to Jun 2001

Design and production of the web page of LSAB (Law Students' Association of Bermuda).

Feb 2000

Web designer and developer at SatSpeed (Greek ISP, www.satspeed.gr). While in London, I still cooperated with them as a freelancer. Duties involved:

Jun 2000 to Jun 2001

- Designing web pages: HTML and Javascript code, Flash content and graphics.
- When applicable, integrating the initial design with PHP code.

Skills

- **Computer programming skills**
 - **Java:** Swing, Hibernate, JDBC, Ant
 - **Perl**
 - Object-oriented Perl
 - Implementation of OO modules
 - Familiar with various CPAN modules (including CGI, DBI, LWP, Image::Magick, GD)
 - Familiar with writing POD documentation
 - Basic Python
 - **XML:** XSLT, SAX, DOM
 - HTML and CSS
 - JavaScript
 - PHP
 - MySQL
 - Also, basic skills in C and C++, and the Qt API
- **Analytical skills:** Data mining, data clustering, clustering validation metrics
- **Other computer skills:** LaTeX, DocBook, Subversion, CVS
- **Design Skills:** Adobe Photoshop, Gimp, Adobe Illustrator, Inkscape, Adobe InDesign, ImageReady, Quark Xpress, Dreamweaver, Flash, Corel DRAW, 3D Studio Max
- Comfortable with **Linux** (basic administration)
- **Languages:** Fluent English, fluent Greek, reasonable German (Mittelstufe Zertifikat)

Open Source Projects

zoomFox: An extension for the Firefox web browser. It makes viewing large images easier by adding advanced controls (thumb view, zoom-in/out, easy scroll etc) to the browser.

At the time of writing, zoomFox had been downloaded 91038 times.

<https://addons.mozilla.org/extensions/moreinfo.php?id=1067>

ditaa: Command-line Java utility, converts diagrams drawn using *ASCII art* ('drawings' that contain characters that resemble lines like | / -) into aesthetically pleasing bitmap graphics.

<http://ditaa.sourceforge.net/>

Interests

Literature, music, computer art, drawing.