


# Andreas KALAITZAKIS

Phd student at Université Grenoble-Alpes

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Nationality Hellenic, French

**Summary** I currently am a doctoral student at Université Grenoble-Alpes. Apart from participating in [mOeX](#) team, I also extend the classes Coder, Pilot and Voyager. While I enjoy solving problems or writing, I am equally eager to acquire new skills in engineering or aviation. Among others, fluent in Object Oriented Programming, Graphs and Tailwheels.

**Skill set** [Java SE](#) { [Swing](#) · [AWT](#) · [JDBC/ODBC](#) · [Concurrency](#) } · [C](#) · [HTML](#) · [Css](#) · [Py](#) (Notions) · [Matlab](#) (Notions) · [JSON](#) · [XML](#) · [SQLite](#) · [MySQL](#) · [Hibernate](#)  
[Encryption](#) (Symmetric / Asymmetric) { [DES](#), [AES](#), [SHA512](#), [MD5](#) }  
[SVN](#) · [GIT](#) · [Maven](#) · [Kanban](#)

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## Education



**Université Joseph Fourier (Grenoble I)**  
Master of Science (M. Sc.), Information Systems  
2013 - 2014



**University of Crete**  
Master of Science (M. Sc.), Information Systems  
2012 - 2013



**Hellenic Mediterranean University**  
Bachelor of Engineering, Applied Informatics & Multimedia  
**Top 1% of class**

## Publications

**Community detection in collaborative environments: a comparative analysis**  
PETRA '11: Proceedings of the 4th International Conference on Pervasive Technologies Related to Assistive Environments

[Andreas Kalaitzakis](#), Harris Papadakis, Costas Panagiotakis, Paraskevi Fragopoulou

**Evolution of User Activity and Community Formation in an Online Social Network**  
2012 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining

[Andreas Kalaitzakis](#), Harris Papadakis, Paraskevi Fragopoulou

**Proline: an efficient and user-friendly software suite for large-scale proteomics**  
Bio-informatics, btaa118

David Bouysié, Anne-Marie Hesse, Emmanuelle Mouton-Barbosa, Magali Rompais, Charlotte Macron, Christine Carapito, Anne Gonzalez de Peredo, Yohann Couté, Véronique Dupierriis, Alexandre Burel, Jean-Philippe Menetrey, [Andreas Kalaitzakis](#), Julie Poisat, Aymen Romdhani, Odile Burette-Schiltz, Sarah Cianférani, Jerome Garin, Christophe Bruley

Experience 

<b>INRIA</b> PhD student October 2020 - Today	Focus on : <ul style="list-style-type: none"> <li>• Multi-agent systems</li> <li>• Cultural Knowledge Evolution</li> </ul>
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<b>CS GROUP</b> January 2020 - April 2020  <u>Java SE</u> • PHP • Matlab	Static analysis on Photovoltaic Cells research experimental code  Development of a CRUD utility for fuel cell measurements
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<b>Entrepreneur</b> 2019 - 2020  <u>Java SE</u> <u>Encryption</u> • <u>Copy Protection</u> Swing • AWT <u>XML</u> • <u>SQLite</u> • <u>Hibernate</u> <u>Maven</u> • SVN • GIT	<u>Development of patient records management and dental treatment planning software</u>  Focus on : <ul style="list-style-type: none"> <li>• Data Encryption &amp; Copy Protection</li> <li>• User-friendly interaction</li> <li>• Portability</li> </ul>
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<b>CEA - CNRS</b> 2016 - 2018  <u>Java SE</u> • <u>Swing</u> • AWT XML • <u>SQLite</u> • <u>Hibernate</u> <u>Maven</u> • <u>SVN</u> Kanban	<u>Co-development of Proline Studio</u>  Open source data integration framework and software suite for mass spectrometry based proteomics  Focus on : <ul style="list-style-type: none"> <li>• Scientific data representation</li> <li>• Human-machine interaction</li> <li>• GUI performance</li> <li>• Usability</li> </ul>
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<b>Entrepreneur</b> 2015 - 2016  <u>Java SE</u> • <u>Swing</u> • AWT XML • <u>MySQL</u> • <u>HTML</u> • <u>CSS</u>	Software & Web development, providing cost effective solutions oriented to small-size private companies
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<b>Grenoble Informatics Laboratory</b> Research Intern March 2014 - July 2014  <u>Java SE</u> • Twitter4J MySQL tf-idf • LDA Pearson correlation SVM	<b>Collected 200.000.000 tweets.</b> Among others performed topic detection as well as correlation of nutrition patterns with pathological conditions.  Focus on : <ul style="list-style-type: none"> <li>• Data collection</li> <li>• Raw data pre-processing</li> <li>• NLP</li> <li>• Topic detection</li> <li>• Correlation extraction</li> </ul>
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<b>University of Crete</b>	Supervise and evaluate students'
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<b>Postgraduate Teaching Assistant</b> September 2012 – February 2014  <u>Data Structures &amp; Algorithms</u> · Discrete mathematics	assignments, handouts and laboratory work  Lead weekly revision class in Data Structures & Algorithms
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<b>Hellenic Mediterranean University</b> Research Intern September 2012 – February 2014  Java SE · <u>Data Analysis</u> · <u>Clustering</u> <u>Graphs</u> · <u>Community</u> <u>Detection</u>	Performed, published and presented experimental work regarding Community Detection algorithms and their suitability on constantly evolving Social Networks  <u>Development of a software suite for Community Detection on Complex Networks (Graphs)</u> <ul style="list-style-type: none"> <li>• Synthetic Data</li> <li>• Real-time Social Data</li> </ul>
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<b>Hellenic Mediterranean University</b> Undergraduate Teaching Assistant 2009 – 2012  <u>Programming (C)</u> <u>Data Structures &amp; Algorithms</u> Parallel Processing	Supervise and evaluate students' assignments, handouts and laboratory work  Plan, evaluate and revise course content and complementary material  Lead weekly laboratory classes
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<b>Hellenic Mediterranean University</b> Special Account for R & D Administration 2010 – 2011	Administrative work on HMU students' internships  Verification of compliance with EU funding requirements
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Honors & Scholarships



**State Scholarships Foundation (IKY)**

Erasmus Scholarship for Postgraduate Studies in EU  
2013



**State Scholarships Foundation (IKY)**

IKY Fellowship of Excellence for Postgraduate Studies in Greece

**Acceptance rate ~ 0.1%**

2012



**Hellenic Mediterranean University**

Undergraduate Teaching Assistant Scholarship

2009-2011

Activities

- Private Pilot { LAPL, SEP, FCL.055D, Tailwheel endorsement }
- Dancing teacher, volunteering at the cultural association Orphée at Grenoble
- Various sport activities (Gym, Tennis, ISSF 10m)

Languages **Greek** (Native Speaker), **French** (B2), **English** (C2 - Toeic Listening & Reading 985/990)