

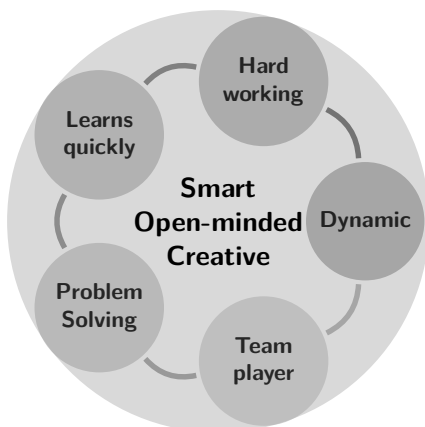
Vasileios-Athanasios Anagnostopoulos

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🌐 www.anagno.me

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- Inherently curious with well developed **logical, mathematical skills**.
- Proficient in **C++**, **CMake**, **Conan** Package Manager, **Boost** and **OpenCV**.
- Used **Docker** containers to quickly deploy **Linux** based applications.
- Experience in programming web geo-applications using **Geoserver**, **OpenLayers**, **HTML5/JS** and **open web service standards (OGC WMS, WFS)**.
- Experience in programming **Android** and **Java** applications.
- Solid understanding of **2D and 3D modeling techniques** and **computer vision**.
- Good knowledge at operating geodetic equipment.

Experience

Sep. 2017 – **Software Engineer**, AUTOFORM DEVELOPMENT GMBH,
Current Zurich, Switzerland.

Software Engineer in the AutoForm Development GmbH, where I develop/maintain the existing source code using **C++ and Qt**. Specifically:

- I provide input for **architectural changes** that **improve the performance** of the products and help in the maintainability and the quality of the source code. I have been involved in large scale refactoring efforts. The latest big project I participated was to modernize the code base and introduce C++17. To achieve that, our team wrote a new C interface to decouple the code base from external projects that still had to use old compilers. That allowed to keep the necessary ABI compatibility for the external projects.
- I conduct performance analyses using the **Intel Inspector** memory and thread debugger. I have resolved bottlenecks that lead to the improvement of the performance of the software.
- I help in the improvement of the build speed and the modularization of the software by producing packages using the **Conan** Package Manager and **CMake**.
- I participated in the implementation of the new “Guidelines” feature of the AutForm R8 product. I provided input that **improved the UX** and implemented the functionality that automatically checks the correctness of the applied processes in the software.
- I participate in the development of the AutoForm-QuickLink and AutoForm-QuickLink^{forNX} products. I implement new features and I am responsible for the backwards and forwards compatibility of the zipped XML-based file format of the software.

Sep. 2015 – **Research Assistant**, ETH ZURICH,
Apr. 2017 Zurich, Switzerland.

Research assistant (Wissenschaft assistenz) in the “Location-Aware Mobile Eye Tracking for Tourist Assistance” (LAMETTA) research project, where I **developed an outdoor gaze-based interaction platform** for mobile eye trackers using **C++ and OpenCV**. Furthermore, I was a **teaching assistant** in courses (a) GIS III and b) Mobile GIS and Location-Based Services), where I got experience in the development of **web geo-applications using Geoserver, OpenLayers, HTML5/JS, open web service standards (OGC WMS,WFS) and Android applications**. Finally, I **maintained the WordPress installation** of the group site.

Jan. 2014 – **Accountant’s affairs assistant**, D. XATZIKOMNINOS & SIA E.E.,
Dec. 2014 Athens, Greece.

Support to accountant’s affairs, by managing the existing database for issuing invoices and helping in the daily operations of the company.

June 2010 **Internship in surveying engineering**, NTUA,
Nisyros, Greece.

Creation of the local trigonometric and elevation network and AutoCAD plans were produced for the traditional village of “Mandraki” .

Aug. 2007 – **Accountant’s affairs assistant**, D. XATZIKOMNINOS & SIA E.E.,
Jun. 2010 Athens, Greece.

Support to accountant’s affairs, where I helped in the organization of the accounting department with the **creation of a database in Microsoft Access** for issuing invoices.

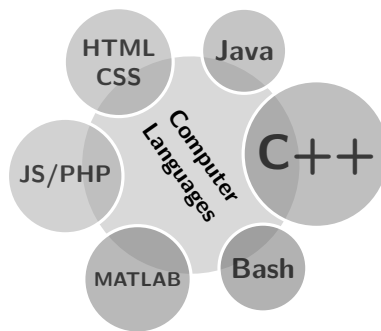
Seminars/Certifications

Apr. 2020 **Conan Essentials/Advanced**, Hands-on courses on the use of the Conan Package Manager.

Mar. 2019 **Scrum Essentials**, Introductory course to the Scrum framework.

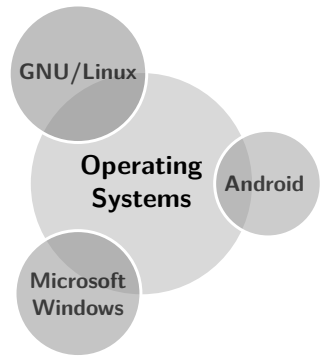
Oct. 2008 **Autodesk AutoCAD**, ECDL certification in Autodesk AutoCAD 2007.

Abilities / Skills



Software Environments: Qt Creator, Visual Studio, Jira, Android Studio, Microsoft Access

Tools: Git, PostgreSQL, CMake, Conan Package Manager, Apache HTTP Server, Doxygen, Docker, Jenkins



Eye Tracking

Experience in using SMI and Pupil labs mobile eye trackers and conducting user studies

Surveying skills

Equipment Total station, Level, GPS receiver (RTK/Static), Terrestrial Laser Scanner

Software AutoCAD, ArcGIS, QGIS, Leica Cyclone

Education

2013 – 2015 **MSc in Informatics**, *University of Piraeus*, Department of Informatics.
GPA – 9.83/10.00, Thesis grade – 10.00/10.00

2007 – 2013 **MSc in Geomatics**, *NTUA*, School of Rural and Surveying Engineering.
GPA – 7.85/10.00, Thesis grade – 10.00/10.00, Ranking – 15th

Languages

Greek	Native	
English	C2 - Proficient user	<i>University of Cambridge - Proficiency in English</i>
French	B2 - Independent user	<i>Dalf C1</i>
German	A2 - Basic user	<i>Currently training for B1</i>

Awards/Publications

2017 V. Anagnostopoulos et al., *Gaze-Informed Location Based Services*, *International Journal of Geographical Information Science*.

2015 M. Tsakiri and V. Anagnostopoulos, *Change Detection in Terrestrial Laser Scanner Data Via Point Cloud Correspondence*, *IJEIR*, 4(3):476–486.

2015 **Scholarship in MSc in Informatics**, *University of Piraeus*, Department of Informatics.
For my performance in the MSc I was awarded a scholarship

Projects

- **recipes.anagno.me** The documentation pages for my personal Docker/Ceph cluster using mainly Raspberry Pi boards.
- Contributor to the Conan Center recipes

Personal Details

Citizenship Greek, Residence permit: C

References Upon request