

# Vasileios-Athanasios Anagnostopoulos

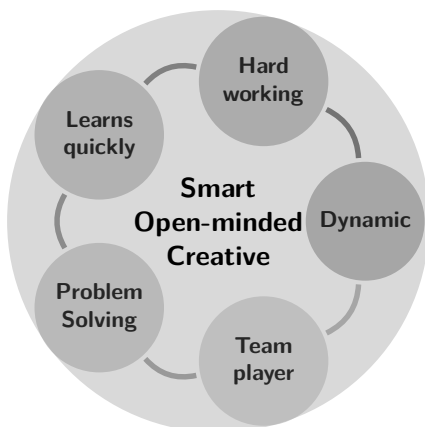
---

✉ anagnwstopoulos@hotmail.com

🌐 www.anagno.me

🔗 anagno

in vanagnos



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

---

## 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.
  - I conduct performance analyses using the **Intel Inspector** memory and thread debugger. I have resolved bottlenecks to improve the performance of the software.
  - I integrate 3rd parties libraries by creating Conan recipes.
  - I participated in the modernization of the code base by introducing **C++17**. A new **C interface** to decouple the code base from external projects that still had to use old compilers was created to keep the necessary ABI compatibility for the external projects.
  - I help in the improvement of the build speed and the modularization of the software by producing packages using the **Conan** Package Manager and Modern **CMake**.
  - I maintain the **Jenkins CI** infrastructure and implement new CI/CD jobs using JobDSL.
  - I develop and deploy **Docker** images to build the software in different environments.
  - 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 participated in the development of the QuickLink and QuickLink<sup>forNX</sup> products. I implemented new features and I was 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**.
  - I was teaching assistant in (a) GIS III and b) Mobile GIS and Location-Based Services courses, 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**.
  - 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.

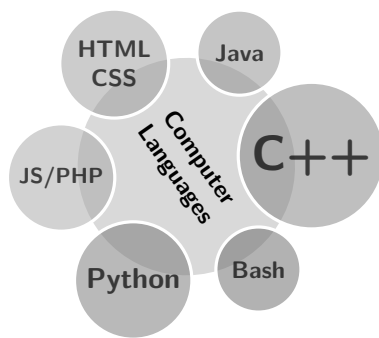
---

## 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 .

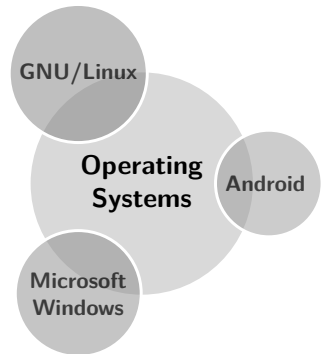
---

## 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>Delf 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
- I challenge myself by making wooden scale models and Lego puzzles
- Tinkering with Raspberries Pies and single-board computers
- Enjoying low temperature long time cooking (Sous vide)

---

## References

Upon request