Dimitrios Stavrakakis

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PROFILE

I am a PhD student at University of Edinburgh and visiting PhD student at Technische Universitaet Muenchen (TUM) under the supervision of Prof. Pramod Bhatotia. My research interest lies in the field of computer system design aiming mainly to build secure and reliable systems incorporating the now-emerging Persistent Memory Technology and leveraging modern Trusted Hardware Modules such as Intel SGX.

Before joining the University of Edinburgh, I graduated from the School of Electrical and Computer Engineering in National Technical University of Athens. My diploma thesis was about algorithms for task-applications offloading in a two-tiered cloud computing environment. During my studies I have gained a very strong background in **computer science** and **software engineering** which helped me to successfully complete numerous academic projects. Right after my studies I joined an international graduate consultant program, called AKKAdemy and worked as a Software Engineer in AKKA DNO GmbH for 15 months.

EDUCATION

Technical University of Munich - TUM   *September 2020 - Present*
PhD Candidate - Wissenschaftlicher Mitarbeiter
Department of Informatics
Chair of Engineering Software for Decentralized Systems
Supervisor: Prof. Pramod Bhatotia

University Of Edinburgh - UoE   *March 2020 - Present*
PhD Candidate
Institute for Computing Systems Architecture (ICSA)
School of Informatics
Research Field: Secure, efficient and reliable Computer Systems Design
Key Fields: Storage Systems, Operating Systems, Systems Security

National Technical University of Athens   *September 2012 - March 2018*
Master in Engineering (MEng)   Grade: 8.82/10
Department of Electrical & Computer Engineering
Diploma Thesis : Online Algorithms for Location-Aware Task Offloading
in Two-Tiered Mobile Cloud Environments   Grade: 10/10

PROFESSIONAL EXPERIENCE

AKKA DNO GmbH, Cologne, Germany   *September 2018 - December 2019*
Software Engineer

1. HMI Application Development in Qt Framework using C++/QML
2. Embedded C Code Analysis/Review/Restructuring
3. Embedded C Code Development in Automotive Sector
4. WPF Application Development

Travelsoft Ltd, Athens, Greece *March 2016 - March 2018*
Database Developer & Administrator

- 1. T-SQL Query Optimization
  2. Database Design
  3. API Integration
  4. Development of Automated Processes

TECHNICAL SKILLS

Generic Programming Languages	C, C++, Java, Python, Javascript
Front-End Programming Languages	HTML, CSS, QML
Back-End Programming Languages	T-SQL, PHP
Frameworks	QT
Version Control Tools	Git applied in Github & Bitbucket
Experience with OS	Linux, Windows
IDEs	Eclipse, QT Creator, SSMS
Modeling and Analysis	Matlab
Other Software Tools	MS Office, Latex

QUALIFICATIONS

English Certification, Level C2 (University of Michigan - ECPE), May 2010

German Certification, Level C1 (Goethe-Zertifikat), February 2010

Udemy Courses Attended:

- Robust Qt & C++ Gui Programming 2D Graphics App Tutorials
- C# Basics for Beginners: Learn C# Fundamentals by Coding
- Windows Presentation Foundation Masterclass (WPF)
- Jekyll: make fast, secure static sites and blogs with Jekyll
- Learn Bootstrap 4 by Example

Driving License Full Clean - Driving since 2012

LANGUAGES

English	Full professional proficiency
German	Professional working proficiency
Greek	Native Language

PERSONAL TRAITS

Highly motivated and always willing to learn new things.

Sociable and cheerful person. I am a good team-member and have good communication skills.

Focused as a professional. I have the ability to work as an individual as well.

Open-minded. I consider myself as a citizen of the world and I am keen on travelling.

References available upon request.