

# NONTAS RONGOIANNIS



## EDUCATION

- **PROFESSIONAL DOCTORATE IN ENGINEERING (PDENG)** / SEP 2015 - SEP 2017  
Eindhoven University of Technology (TU/e)  
Software Technology PDEng: A two-year post master program, where the trainees work on industry projects in order to enhance their skills on software design and development.
- **DIPLOMA IN ENGINEERING** / SEP 2007 - SEP 2015  
University of Patras (Greece), Dept. of Electrical and Computer Engineering  
Master's equivalent studies (300 ECTS) in Computer Science and Electronics  
Diploma Thesis: *Reconstruction of high resolution thermal images from low resolution thermal images using compressed sensing methods.*



## WORK EXPERIENCE

- **ASML NETHERLANDS** / NOV 2017 - TODAY  
Software Design Engineer: As part of the Litho Systems and Software Architecture group, my main interests and responsibilities are in Model-Driven Software Engineering, Testing, and Simulation.
- **MICROSOFT CORPORATION** / AUG 2014 - SEP 2015  
Senior Student Partner: Strategic planning, managing & recruiting for Microsoft's academic communities in Greek universities.
- **UNIVERSITY OF PATRAS** / SEP 2013 - SEP 2015  
Teaching & Lab Assistant: Assisting, teaching and supporting the laboratory classes of the courses "Digital Signal Processing I & II".
- **GREEK YELLOW PAGES** / AUG 2011 - AUG 2015  
External Partner - Developer: Designing and developing the company's mobile application for Windows running devices.
- **MICROSOFT CORPORATION** / JULY 2008 - JULY 2014  
Student Partner: Contact person between professors, students, and the company. Organization of workshops/seminars on campus. Technical marketing.



## SELECTED PROJECTS

- **PROTOCOL-COMPLIANT SIMULATORS for ASML** / SEP 2017  
Are we building the system right? Are we building the right system? These two questions, which are also known as verification and validation, are always in the mind of software engineers. Validation via testing requires effort and increases lead-time in the software development process. This project did an investigation on the possibilities of testing model-driven systems and the use of protocol-simulators was proposed as a solution direction.
- **Model Driven Engineering Project for ASML** / OCT 2016  
This project involves solving a problem following a model driven approach.  
Role: As a lead integrator and configurator, I was responsible for the configuration of our infrastructure and the automation of the development process. This automation includes setting up and configuring a Jenkins server to test our software and produce builds. In addition to this, we had to ensure the correct integration of our solution, both on code and model level.
- **Embedded Prescan for TASS International (PreScan, MATLAB, Python)** / JUNE 2016  
A proof-of-concept project to explore the benefits of using PreScan on cars as assistive software in the process of autonomous driving.  
Role: As a configuration manager, I was responsible for the configuration of my team's machines, our repositories, and our testing environments. Our task was to explore the benefits of PreScan using RaspberryPi-enabled robot vehicles.



## PROFILE

Full Name: Epameinondas Rontogiannis  
Date of Birth: February 13, 1990  
Place of Birth: Athens, Greece  
Nationality: Hellenic



## CONTACT ME



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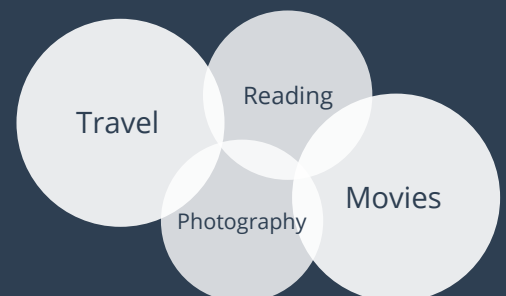


## LANGUAGES

- GREEK  (NATIVE)
- ENGLISH  (Level: C2)
- GERMAN  (Level: B2)
- DUTCH  (Level: B1)



## INTERESTS



# NONTAS RONTOGIANNIS

## SELECTED PROJECTS (CONTINUED)

- **ODAS System for Océ-Canon (Python, ØMQ, Jupyter)** / MAR 2016  
The ODAS System is a sophisticated platform where engineers can create and execute algorithms for data analysis and predictive maintenance.  
Role: As a lead designer, I supervised the software design of ODAS' alerting system, where critical Jupyter notebooks had to be executed in parallel (Python/Multiprocessing) with a specific frequency. If a critical situation was detected, a mail-alert is sent (ØMQ) to a predefined group of engineers.
- **IoT Lighting Platform using DMX and Hue lights for the TU/e (Java, CoAP, Python, Kinect SDK)** / DEC 2015  
This project aimed at the creation of an IoT platform for an installation of DMX and Philips Hue lights of the TU/e.  
Role: As a team leader, I was responsible for communicating with the client, organizing our tasks (SCRUM), and supervising the team's progress. My team's task was to make the DMX and the Hue lights IPv6 addressable (in a virtual way) and change each light's state according to the packets received at its virtual IPv6 address.
- **Diploma Thesis: Thermal Super Resolution via Compressed Sensing (MATLAB)** / MAY 2015  
In my diploma thesis, I proposed a new way to enhance the resolution of thermal images by using compressed sensing methods and sparse representations.

*A fully detailed project list is available on my LinkedIn profile:  
<http://www.linkedin.com/in/eparon>*


## AWARDS

- **SOFTWARE TECHNOLOGY PDENG** / SEP 2017  
Cum Laude: Graduated with merit. Grade: 4.5/5 (9/10 on the 1-10 scale). Cum laude is granted to trainees who receive a grade greater than 4/5.
- **WINDOWS PHONE 7.5 HACKATHON** / FEB 2012  
Top 5 Winners: Awarded a Nokia Lumia 800 for the development of app "Athens Life." This app earned the 4th place in the competition, where in total 35 apps were submitted.
- **IMAGINECUP 2011 - FINALIST - GREECE** / MAY 2011  
Finalist: National Finalist with project "Althaea"
- **MICROSOFT STUDENT PARTNERS EUROPEAN SUMMIT**  
Greek Representative: Award of excellence for my results and achievements as a Microsoft Student Partner, in the fiscal year 2010-2011. / NOV 2011
- **IMAGINECUP 2010 - FINALIST - GREECE** / MAY 2010  
Finalist: National Finalist with project PopUP.
- **MICROSOFT TechEd Europe 2010** / NOV 2010  
Invited Participation: Award of excellence for my results and achievements as a Microsoft Student Partner during the fiscal year 2009-2010.
- **GREEK BETA OF WINDOWS 7** / JUNE 2009  
Second-place Winner: Earned the second place as a beta tester, based on the quality of my feedback about Greek version of Windows 7.
- **MICROSOFT WEB CHAMPIONS AWARD** / NOV 2009  
Winner: MSP Web Champions, a worldwide contest organized by Microsoft. Participants are called to evaluate, debug, and test various popular web applications and give feedback based on their testings.
- **MICROSOFT TechEd EUROPE 2009** / NOV 2009  
Invited Participation: Award of excellence for my results and achievements as a Microsoft Student Partner, during the fiscal year 2008-2009.
- **IMAGINECUP 2008 - SECOND WINNER - GREECE** / MAY 2008  
Second-place Winner: Earned the second place in the Greek finals of ImagineCup with the project beNatural.

## TECHNICAL SKILLS

- UML 
- SOFTWARE DESIGN 
- MS .NET FRAMEWORK 
- C# 
- PYTHON 
- JAVA 
- MySQL/MSSQL 
- MATLAB 
- C/C++ 

## PERSONAL SKILLS

- ORGANIZING 
- LEADERSHIP 
- TEAM WORK 
- CREATIVITY 
- COMMUNICATION 