

Konstantinos Kirtsonis

PERSONAL DATA

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PROFILE

CIVIL - STRUCTURAL ENGINEER I am an enthusiast and highly motivated Structural Engineer. My highlights are: good teamworking skills, excellent communication and presentation skills. Looking forward to:

- Implement my abilities and skills in CAE softwares.
- Execute large scale Civil engineering projects within time and budgetary constraints.
- Adept at conducting assessment of materials to ensure implementation of quality standards.

EDUCATION

OCTOBER 2013 - JULY 2019 - *Master (MEng) in Civil Engineering with specialization in Structural engineering, Democritus University of Thrace, Greece*

Coursework: Mechanics of Materials, Earthquake Engineering, Finite Element Analysis, Computer-Aided Engineering.

Thesis: *Experimental investigation, Seismic behavior of full scale external beam-column joints with X-type reinforcement.* Supervised by Professors: C. G. Karayannis, Constantin Chalioris
Presented in the 18th Panhellenic Concrete Conference

OCTOBER 2009 - OCTOBER 2011 - *Department of Informatics, University of Athens*

Coursework: C, Data Structures, Algorithms and Complexity, C++

WORK EXPERIENCE

OCTOBER 2018 - JUNE 2019 - Assistant at the *Office of Research and Computer Science, Signals Arm, Greek Army, Didimoticho.*

Supported division headquarters by providing administration assistance for the intranet. (Network mapping tools, syslog servers). Configured and upgraded virtualization technologies to monitor functional operations and ensured smooth running of corporate tasks. (VMWare)

Accomplishments: Facilitated company by upgrading the divisions servers software that increased productivity level of IT department.

JUNE 2018 - *Internee at Eratosthenis Technical Corporation, Chalkida, Greece*
SEPTEMBER 2018

Collaborated with technical department to co-ordinate large scale Civil engineering projects. Analysed project tasks and prepared and submitted progress reports to lead design engineer and project manager. Supported the construction of several local roads to develop the transport network of Evia island. Conducted assessment of materials to ensure implementation of quality standards.

NOTABLE PROJECTS

C	<i>Development of a program using algorithms predicting the first numbers given upper bound</i>
PYTHON	<i>Development of a script calculating the effective length of a column (EC2)</i>
AUTOCAD/ARCHICAD	<i>Architectural Design and Building Planning of High-rise Apartment Buildings</i>
MATLAB	<i>Design and implement the model of corrosion and its impact of the Structural integrity of the Iron Bridge of Chalkida</i>
ABAQUS	<i>Nonlinear analysis of a vertical component under high compressive load</i>
AUTOCAD/RISA	<i>Structural analysis of Hospital facilities using RISA software, as part of the course Reinforced Concrete Structures III (Design for seismic actions)</i>
AUTOCAD/ROBOT/ TEKLA BIM	<i>Structural design of an Industrial Steel Building</i>
AUTOCAD/ROBOT	<i>Modelling and Design of Reinforced and Prestressed Concrete Bridge</i>
ARCGIS	<i>Geographical analysis and parametrization of the region of Epirus based on demographic variables</i>

LANGUAGES

ENGLISH:	IELTS exams (10/2019)
GREEK:	Native Language

TECHNICAL SKILLS

GENERAL	C,C++,FORTRAN, MATLAB,ABAQUS,ANSYS, AUTOCAD,MICROSOFT OFFICE(WORD, EXCEL, POWERPOINT)
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VOLUNTEER EXPERIENCE

2011 - 2015	Fire Protection Volunteer - <i>CALLISTO Environmental Organisation for Wildlife and Nature</i>
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PERSONAL INTERESTS

- Sustainable infrastructure materials engineering
- Structural Health Monitoring using AI
- Smart Homes

DRIVING SKILLS

SEPTEMBER 2009 Driving Licence class B (EU)/full driving license (UK)