

Kyriakos Tsoukalas

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LANGUAGE

ENGLISH: FULL PROFICIENCY

GERMAN: ELEMENTARY

GREEK: NATIVE

ICT

PROGRAMING

Over 5000 lines:

Matlab • C • C++ • Shell • HTML/CSS

• JavaScript • LaTeX

Over 1000 lines:

C • C++ • PHP • Assembly • Applescript

Familiar:

MySQL • Unity • Adobe Flash

SYSTEM ADMINISTRATION

KVM • Apache/Nginx • Bind • Dovecot

• Iccast • Kamailio • Mailman • Postfix

• OpenSimulator • Webmin/Virtualmin

• Drupal • WordPress • Piwik

CAD DESIGN

AutoCAD • Eagle

ORGANIZATION

Git • GanttProject • Trac

AUDIO & MUSIC

SYNTHESIS

MAX/MSP • Pure Data • Ableton Live

EDIT & SCORE

Logic Pro • Finale

PUBLICATIONS

PEER-REVIEWED

<http://ktsoukalas.net/publications>

EXPERIENCE

LABYRINTHOS.GR | STARTUP FOUNDER

Nov 2009 – Jul 2014 | Volos, GRE

- Negotiated B2B sales of annual services that allowed short-term viability.
- Managed server virtualization to maximize offered services per hardware.
- Designed business metrics to inform pricing and accounting.
- Worked under strict deadlines and lead bootstrap processes.

EA.GR | RESEARCH COORDINATOR

Jun 2008 – Oct 2009 | Attica, GRE

- Coordinated a multicultural EU co-funded project: Socrates/Comenius 2.1/“Prelude.”
- Researched virtual reality using Second Life and OpenSimulator as learning environments.

RESEARCH

VIRGINIA TECH | GRADUATE RESEARCH ASSISTANT

Aug 2015 – Present | Blacksburg VA, USA

Researched robotics musicianship and K-12 education using microcontrollers and microcomputers. Advised and provided IT support.

UNIVERSITY OF OKLAHOMA | GRADUATE RESEARCH ASSISTANT

Aug 2014 – July 2015 | Norman OK, USA

Initiated cloud services according to current branding. Led IT upgrade against purchase of new equipment that resulted in over 80% cost saving and simplified administrative workflow.

NCSR DEMOKRITOS | RESEARCH INTERNSHIP

Oct 2004 – Mar 2005. | Athens, GRE

Trained in specialized CMOS laboratory equipment. Worked in a clean-room and performed CMOS processes (e.g. lithography; etching). Researched the fabrication of a gas-speed thermal sensor.

EDUCATION

VIRGINIA TECH | PHD IN TEAMWORK & COLLABORATION SYSTEMS

Expected May 2019 | Blacksburg VA, USA

Models of HCI, Strategic Management, Optimization Techniques, Contemporary Pedagogy.

IONIAN UNIVERSITY | MA IN MUSIC TECHNOLOGY

Feb 2010 | Corfu, GRE

Acoustics, Algorithmic Composition, Audio Production.

TECH. EDU. INST. OF ATHENS | BSC IN ELECTRONICS ENGINEERING

Nov 2005 | Athens, GRE

Telecommunications, Microcontrollers, Circuit Design.