

Konstantinos Chatziantoniou

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Profile

- Passionate about solving problems efficiently with the use of algorithms or specialized solutions.
- Working on High Performance and Parallel Computing.
- Interested in improving/applying algorithms to real world applications (Machine Learning, Data Analysis, etc)

Education

Aristotle University of Thessaloniki
MSc in Electrical and Computer Engineering

September 2015 – Ongoing
Estimated: Sept 2020

Related Coursework:

- Data Structures
- Linear Algebra
- Digital Signal / Image Processing
- Algorithm Analysis and Development
- Parallel And Distributed Systems
- Databases
- Operating Systems
- Software Engineering
- Numerical Analysis
- Computer Architecture
- Pattern Recognition
- Programming Techniques
- Optimisation Techniques

Technology Skills

- **Programming Languages**
 - Experienced with: C, Julia, Python, Matlab, Go
 - Familiar with: C++, C#, Java, R, Javascript
- **Libraries/Interfaces:** pthreads, CILK, openMP, MPI, CUDA, numpy, pandas
- **Operating Systems:** Linux(Ubuntu as main OS), Windows
- **Web/Cloud Technologies:** MYSQL, NodeJS, DynamoDB, AWS
- **Other:** version control(git), Unity, AndroidStudio, Arduino, Raspberry Pi, AVR

Projects

Master Thesis: Julia on a cluster with multiple gpus

Feb 2020-Ongoing

- Implementing, benchmarking and profiling gpu-parallel algorithms.
- Relevant Technologies: Julia, CUDA, C

Created an Indie Game for PC

2017-2019

- Member of a team of 20 students from multiple universities interested in game-creation.
- Relevant Technologies: Unity, C#

More projects and assignments are available on github

Work Experience

Software Engineering Intern

Jul-Sept 2019

Embiots, startup

- Implemented the backend for an IoT system, clients and admin.
- DevOps and SysAdmin
- Structured the Machine Learning Pipeline.
- Relevant Technologies: Go, NodeJS, MYSQL, DynammoDB, AWS, Ubuntu, Python.

Extracurriculars

- Attending local tech meetups(PyThess, Thessa-Ioniki Digital Analytics, Thessaloniki.NET, Bitcoin Blockchain Tech)
- Gaming.
- Keeping up with tech news and experimenting with new technologies.
- Music (guitar and bass).
- DnD player and uprising DM.