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   **September 2015 – Ongoing**
MSc in Electrical and Computer Engineering   *Estimated: Sept 2020*

Related Coursework:

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

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