Joannis Aretakis

Email : ar.joannis@gmail.com

# Skills & Abilities

• Languages: C, C++, Java, Python, Pascal, SQL, C#

• Microsoft Windows

• Tools: MS Visual Studio IDE, Git, Netbeans , Eclipse

# Experience

* Store Management System (Java) Jan 2018 – Jan 2018

Constructed three apps that mimicked the work of the manufacturing dept., management and sales. The communication between the apps was through JMS .The database was constructed in MySQLWorkbench .Implemented using JPA and JPQL.

* OS File System (C++) Dec 2017 – Dec 2017

The goal of the project was to create a small file system that controls its own operating memory, disk space and swap space. Implemented concepts such as shared segments, process segments, pmt, process cloning, copy on write.

* OS kernel (C++, assembly) May 2017 – May 2017

Implemented a multithreaded OS kernel in pure C++ with some assembly

• Context switching with features such as:

o Waiting for another thread to finish

o Semaphore with unlimited and limited waiting time

o Events connected with interrupt signals and the IVT

o Signaling between threads

# Education

|  |  |
| --- | --- |
| **School of Electrical Engineering, University of Belgrade** | Oct 2015 — Present |
|  |

# Languages

* Greek (native)
* Serbian (native)
* English (Full professional proﬁciency)