

**WORKING  
EXPERIENCE**

<b>Titan IM</b> , SDE Intern	Jul 2014 - present
<b>Team:</b> Core dev team	
<b>Project:</b> Improving and developing AI system for wheeled vehicles	
<b>Tools and technologies:</b> Visual C++, Windows environment	
<b>Company details:</b> Titan IM is software specific offshoot of Virtual Simulation Systems – Australian simulation/serious games company that develops simulations used by military organizations.	
<b>Microsoft</b> , SDE Intern	Oct 2013 – Feb 2014
<b>Team:</b> Bing Local Search	
<b>Project:</b> Improving image search results for local markets. Implemented an extension of a machine learning platform for image mining that improved coverage of local image result for 6%.	
<b>Tool and technologies:</b> C#.NET, SCOPE	
<b>Aggios Europe</b> , SDE Intern	Jun 2013 – Sep 2013
<b>Team:</b> Power management	
<b>Project:</b> Simulation of power management scenarios on embedded systems or virtual prototypes.	
<b>Tools and technologies:</b> C, C++, Qt IDE, Linux	
<b>Company details:</b> Aggios Europe is part of Californian startup Aggios Inc. engaged in research and development of software solutions for energy management.	
<b>University of Belgrade</b> , Demonstrator	Oct 2012 – present
Assisting students during exercises in computer laboratories, testing their knowledge and grade their work on courses Programming I & II (Pascal, C), OOP I & II (C++, Java), Operating Systems, Algorithms and Data Structures and several more.	

**EDUCATION**

University of Belgrade, Serbia	Oct 2011 – Oct 2015
Undergraduate student at School of Electrical Engineering, department of Software Engineering. Completed 6 out of 8 semesters with GPA 9.6 out of 10.	
High School "Mihailo Petrovic - Alas", Belgrade, Serbia	Sep 2007 – July 2011
Graduated on mathematics and natural science oriented class as one of the best students and received "Vuk Karadzic" award – an award which honors a maximum GPA.	

**UNIVERSITY  
PROJECTS**

<b>Assembler</b>
- <b>Assignment:</b> Two-pass assembler for simplified 16-bit processor with Von-Neumann architecture with support for over 30 instructions, labels, global symbols, sections, directives and string pool concept.
- <b>Requirements:</b> Detailed knowledge in assembler construction and principles of low level programming.
- <b>Course:</b> System Software
- <b>Languages and technologies:</b> Ubuntu OS using C++ and g++/GDB/Make tools
<b>Operating System Kernel</b>
- <b>Assignment:</b> A preemptive, multithreaded kernel for Intel 8086 microprocessor with support of time sharing, context switching, semaphores and event handling.
- <b>Requirements:</b> Developing threads and synchronization from scratch without using Windows APIs. Thorough knowledge of fundamentals of operating systems.
- <b>Course:</b> Operating Systems I
- <b>Languages and technologies:</b> C++ and 8086 Assembler
<b>File System</b>
- <b>Assignment:</b> A basic thread safe file system for Windows operating system with indexed cluster allocation for files and readers-writers lock.
- <b>Requirements:</b> Win32 threads and synchronization primitives and basic concepts of file indexing.
- <b>Languages and technologies:</b> Visual C++ and Win32 API
- <b>Course:</b> Operating Systems II

**ADDITIONAL  
INFO**

<b>Skills and technologies</b>
- <b>Primary:</b> C, C++
- <b>Secondary:</b> SQL, Java, C#, x86 assembly, ARM assembly
- <b>Operating systems:</b> Linux, Windows
- <b>Technologies and frameworks:</b> .NET, Git, SVN, Bash, SCOPE- computation platform targeted for large scale data analysis