Alberto Spina

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EDUCATION

Imperial College London *October 2015 - June 2019*
Master of Engineering in Computing
Expected: First-class honours

Imperial College Business School *July 2017*
Principles of Finance
Overall Percentage: 88%

Liceo Salesiano Valsalice *October 2010 - June 2015*
High School Diploma
Overall Percentage: 100%

SKILLS, LANGUAGES AND INTERESTS

Languages	Fluent in English and Italian. Well-versed with French.
Technical Skills	Proficient with C, Java and Javascript. Familiar with C++, C#and Python.

PROJECTS

BaoBOS - robotic arm *August 2017 - Current*
BaoBOS is a simple hydraulic powered robotic arm built out of wood and syringes. Five Arduino powered servo motors enable the arm to move freely in a limited space around it, and interaction with objects is rendered in a simplified digital environment using GLFW, GLEW and GLSL.

Paging - ultimate group planner *June 2017 - July 2017*
Built in a group of four using the MEAN stack (AngularJS, Node, Express and MongoDB), Paging is an application meant to enhance the group planning experience.

Pintos - operating system *January 2017 - March 2017*
Working in a group of four we implemented Thread Scheduling, System Calls and Virtual Memory management for a simplified Linux-based operating system in C.

PawnRace - a simple AI *December 2015 - January 2016*
PawnRace is a simple Java AI-powered game which was awarded with Formicary's Prize after scoring third during a competition held at Imperial College London.

SEM2.0 - electromagnetic chessboard *December 2014 - March 2015*
SEM2.0 is an electromagnetic chessboard, where moves executed on our program are performed in real life by an Arduino Uno on a custom built chessboard. Communication to the Arduino board is handled by PySerial and Pygame is used as a graphics engine.

AWARDS AND ACHIEVEMENTS

Olav Beckmann Project Prize, Imperial College *July 2017*
Awarded for outstanding second year undergraduate laboratory project work.

Formicary Prize (Third Place), PawnRace *January 2016*
Awarded for placing my AI third in a competition held at Imperial College.

Perlasco Prize, SEM2.0 *March 2015*
Awarded for best project at Turin's Physics' annual fair.