Alberto Spina

30 Percy Laurie House, 217 Upper Richmond Road, London, SW15 6SY

(+44) 7340 489934 ⋄ alberto.spina15@imperial.ac.uk

EDUCATION

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

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

SKILLS AND LANGUAGES

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

PROJECTS

BaoBOS - robotic arm   *August 2017 - September 2017*
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

Hack Sheffield 3.0, S.S.Door   *October 2017*
"Best Use of AWS" (MLH), "Making something better, easier, or more accessible" (SkyBet), "Best use home automation or IoT devices within student accommodation" (Ask4).

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.