

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

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.

Basic knowledge of UNIX, Ruby and SQL.

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.