

Georges Soussa

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PERSONAL PROFILE

A fast-paced mechanical engineering student always eager to learn, go above and beyond in order to gain valuable skills. I aspire to leverage my analytical and personal skills in tackling challenging problems with innovative and effective solutions. Past experiences have helped me build a robust set of skills such as project management, communication, multi-disciplinary team work, leadership and problem solving.

EDUCATION

Imperial College London – MS, Advanced Aeronautical Engineering

Oct 2022 – Oct 2023

- Incoming Postgraduate Student

University of Leeds – BEng (Hons), Mechanical Engineering

Sep 2019 – Jul 2022

- Predicted First Class Honours (82% in 2nd Year).
- Final Year Project: Markov Chain Monte Carlo Simulations for Wind Energy Generation.

The International School of Choueifat, Abu Dhabi

Sep 2005 – May 2019

- SABIS HSD: 93% - Relevant Courses: Calculus BC, Physics, Statistics, Computer Science, Macroeconomics.

PERSONAL & ACADEMIC PROJECTS

Case Studies:

- 1st place in a case study hosted by Monitor Deloitte (on campus) analysing the future of budget and luxury airlines.
- 2nd place in another case study hosted by Accenture (on campus) theoretically creating, financing and marketing a product.

Classy Colonoscopy: Worked on a project to design a safe teleoperated magnetically steered colonoscopy device. The device is a 2 DoF robotic arm leading a magnetic robotic capsule swallowed by the patient. Many calculations are involved in the design such as forward, inverse kinematics and etc; where the device is programmed and controlled through Lab View using a myRIO.

Daring Dash: Led a team of 5 on a project to design (SolidWorks) and build an autonomous electric powered buggy with a suspension system to travel over an uneven course and stop on a bull's-eye. I was responsible for developing and programming the control system which was done using a high-specification embedded controller. Project is sponsored by National Instruments and Jaguar Land Rover.

WORK EXPERIENCE

Leeds Community Consulting, Consultant – Leeds, United Kingdom

Oct 2020 – Dec 2020

- Devised and implemented a change to the service delivery team of the client improving their revenue by 50%.
- Mentored by one of the Big 4 firms.

Leeds Gryphon Racing (Formula Student), Student Engineer – Leeds, United Kingdom

Oct 2019 – Sep 2020

Contributed to many sub-teams:

- Management: Communicated with all sub team leaders managing and maintaining team finances below the given budget.
- Engineering: Improved efficiency of fuel pump by reducing the current draw by 43%

Ghantoot Property Management, Summer Intern – Abu Dhabi, United Arab Emirates

Summers (2019 – 2020)

Performed multiple tasks throughout each summer:

- Affirmed all maintenance teams were being informed and sent to the right location providing the respective services demanded.
- Took charge in pitching and displayed properties to potential clients with success rate of 80%.

KEY TECHNICAL SKILLS

- Programming Languages: Proficient in MATLAB, comfortable with C.
- Technologies and Softwares: LabVIEW, SolidWorks, Abaqus, Simulink, Meshmixer, Cura, MS Excel and PowerPoint.

CERTIFICATIONS & PERSONAL INTERESTS

- CWSA - SolidWorks Associate certification by Dassault Systems.
 - AP Scholar with Honour Award - Advanced Placement examination awards by College Board.
 - Student Affiliate at the Institution of Mechanical Engineers (IMechE).
 - Former team captain at Abu Dhabi Country Club (1st Place at a national championship) and Inter Milan Football School.
 - Volunteer at the Lebanese Red Cross, training and educating children in refugee camps methods to deal with emergencies.
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