Lukic Vojin

Email: **vojin.lukic@gmail.com**
Hong Kong number:**+85259399840** | Serbian number:**+381637674564**
LinkedIn: **linkedin.com/in/vojinlukic**

Personal statement

An engineering student with a profound interest in mechanical and aerospace engineering. Due to real life experience in the field of programming, as well as project work including CAD modelling software and mechanical manufacture processing - I hope to be able to find new ways to combine my technical and theoretical knowledge in industry.

Education

City University of Hong Kong - Hong Kong SAR
BEng Mechanical Engineering *Sep 2020 - present*

- Current **CGPA 4.10** - member of Talents Programme, Dean's List, recepient of Full Tuition Scholarship and College of Engineering Dean's Scholarship
- **Relevant coursework:** Engineering Graphics, Engineering Mechanics, Thermodynamics, Fluid Mechanics, Engineering Materials, Engineering Computing, Electric Principles, Engineering Workshop, CAD/CAM, Aircraft Systems Design, Mechanics of Materials, Microelectromechanical Systems
- **Extracurricular activities**: *Student Representative* of Year 2 Mechanical Engineering, Liason Secretary at *American Society of Mechanical Engineers Hong Kong Section*

Mathematical Grammar School - Belgrade, Serbia
Gifted students in mathematics, physics and computer science - High School Diploma *Sep 2016 - May 2020*

- **CGPA 5.00/5.00**, participation and awards at **National Contests** in mathematics and physics
- **Relevant coursework:** Analysis and Algebra, Geometry, Computer Science and IT, Linear Algebra and Analytic Geometry, Advanced Programming Techniques, Probability and Statistics, Numerical Mathematics, Mechanics, Fluids and Thermodynamics, Electric Circuits.

Experience

Albacastor Technology Limited - Hong Kong SAR
Mechanical Engineering Intern *June 2022 - Aug 2022*

- Developed a prototype for an advertising robot using Solidworks: minimizing cost, maximising compactness and mechanical function, calculating stress and load with Solidworks simulation, providing Bill of Materials
- Fluid flow simulation with Solidworks and ANSYS Discovery AIM for an outdoor ventilation system - calculating volumetric flow and sucking capabilities
- Complex surface modelling for a mount for a security device - reverse engineering

INGENIEURSCHMIEDE D.O.O - Belgrade, Serbia
Engineering Trainee *Jul 2021 - Aug 2021*

- Studied and quickly grasped the CATIA V5 software, enabling efficient handling of Part, Assembly, Generative Shape Design and Drafting workbenches, with feedback from colleagues in the field
- Discussed concepts relevant to the major in interactive environment and experienced workday in the engineer profession

Projects

- Created the body of Audi R8 in CATIA V5 software, mostly using Generative Shape Design workbench, and imported finished parts like side-view mirrors and tyres to be assemled with Assembly Workbench.
- Designed and animated Hybl Turbines H16 Jet engine with Autodesk Fusion360 modelling software.
- Researched on mechanics of dragonboat rowing for a final year paper for high school graduation.

Skills

Programming Languages (Python, C/C++, C#, Prolog, SQL, HTML, PHP, CSS,), MATLAB, *Engineering sofware* (Fusion360, Solidworks, CATIA V5, ANSYS), Autodesk AutoCAD, Microsoft Office, *Manufacturing Capabilities* (Milling and Drilling machine, Lathe, Technical Drawings, 3D Printing)