Lukic Vojin

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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 4.12** - member of Talents Programme, Dean's List, recepient of Full Tuition Scholarship and College of Engineering Dean's Scholarship, HKSAR Government Scholarship, Cheung Foundation 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, Mechanical Design
- **Extracurricular activities**: *Student Representative* of Mechanical Engineering

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, Geometry, Computer Science, Linear Algebra, Advanced Programming, Probability and Statistics, Numerical Mathematics, 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.
- Produced simple parts to understand the procedure of Milling and Drilling Machine, Lathe, 3D Printer.

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)