

AHSANULNAS

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JUNIOR ENGINEER PROFILE

Within in-depth knowledge of Mechanical engineering, I have a proven ability to collaborate with the project manager to improve existing product quality and sustainability to achieve a high-end quality product. I am also passionate about creating a resourceful [platform](#) where many people can access to valuable information. Seeking to apply my engineering skills and knowledge of technology, along with my creative problem-solving skills, at an innovative technology organization. **Technical skills include:**

Software	Programming Languages	Manufacturing Skills	Interpersonal Skills
Autodesk Inventor	Python	Process Improvement	Customer orientated
ANSYS Fluent CFD	Matlab	Lean Engineering	Excellent Verbal and
Plant 3D	HTML (5)	Project Management	Writing Skills
Microsoft Office Suite	CSS (3)	Design Process	Ability to work
Installation	Basic JavaScript	Equipment	independently as well as
Linux			part of a team

WORK EXPERIENCE

Junior Engineer,
Golf Geum Technology s.r.o.

Jul 2018 – Oct 2019

Golf Geum Technology is a top-class design studio and golf trolley manufacturer. My duties include:

- Complete progressive assembly on schedule while maintaining quality control standards.
- Produce the first manual protocol for product assembly.
- Utilize Autodesk Inventor to a modified existing product, and produce 3D modeling and technical documentation for manufacturing purposes.
- Participate in the prototype, testing, and data collecting on ongoing product development.

Result Achieved:

- Inventory control of items in the warehouse to maintain the flow of assembly.
- Develop communication skills by effectively train current staff members to assist with the assembly process.
- Efficiently designing new product sections with BOM, GD&T, and machining symbols.
- Presentation skills on development on co-current project on weekly meeting basis.

EDUCATION

BS Mechanical Engineering
Czech Technical University in Prague

Feb 2020

Field of study: ***Power and Process Technology***

Thesis: 'Experimental and CFD simulation of fish pellets in fish tanks' (**B** or Very good)

GPA: **1.7** – (ECTS credit system)

ADDITIONAL INFORMATION:

TECHNICAL PROJECTS

Design pressure vessel

Oct 2018 – Jan 2020

‘Pressure vessel has to be equipped with necessary accessories, flanges for pipeline connections and supported frames’

- Approach calculation procedure to obtain parameter according to standards.
- Strength calculation if reinforcement is required for inlet and outlet nozzle according to CSN 690010
- Determination forces required to maintain vessel vertically according to CSN 69 0990.3 – footing calculations
- Utilize Autodesk Inventor and AutoCAD to fully design vessels with all details for fabrication, **welding** including
- Creation of BOM's, GD&T, and Machine symbol in complete detail

Mixing Equipment for particle suspension

Oct 2019 – Jan 2020

- Approach calculation procedure to obtain parameter such impeller speed for particle suspension and operating impeller speed based on given (clients) requirements. Selection of electric motor based on Impeller power input for particle suspension
- Proposal and calculation of the drive ratio and drive of mixing equipment. Reduce 10% of power consumptions for more efficiency of impeller is obtained
- Strength design of impeller shaft and other part of drive using FEM analysis
- Drawing documentations: ISO standard engineering drawings of machined parts, fabricated parts, weldments, assemblies
- Creation of BOMs for sub-assemblies, intermediate assemblies, parts and quantities of each needed to manufacture an end product using Autodesk Inventor – part of training procedure

BACKGROUND

Date of Birth: 18.07.1996

Nationality: Indonesia

Driving License: Can obtain upon request/willing to travel

Visa status: I am eligible to work in Czech/EU. Required working [permit](#).

LANGUAGES

English: Advance | **Indonesia:** Native | **Czech:** Basic

LEISURE INTERESTS

Football (soccer) | Reading books | Running | Body Weight Lifting | Web Technologies

REFERENCES:

AVAILABLE UPON REQUEST