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**MECHANICAL / HVAC ENGINEER**

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| Broadly skilled Mechanical Engineer with 5 years of experience, providing solutions in the field of designing, planning and estimating for commercial and residential buildings along with developing designs for new products from concept to completion. Ability to coordinate multiple projects and propose modifications to improve quality and reduce costs. Broad-based organizational skills, with strong sense of responsibility, decision making, and ability to successfully meet deadlines and deliver projects.   |  |  | | --- | --- | | * HVAC and Plumbing Design * Design for assembly * Project management and delivery * Bilingual : English/Polish | * AutoCad 2015 * Revit MEP 2016 * SolidWorks 2015 * CorelDRAW X7 | |  |
| **PROFESSIONAL EXPERIENCE** | |

**FREELANCE MECHANICAL ENGINEER, Dubai** 12/2015 - Today

* Working on architectural project for commercial building revitalization.
* Accountable for monitoring project delivery and coaching fellow team members.
* Preparing 3D visualizations of commercial buildings using SketchUp software.

06/2015 – 12/2015

***Mechanical Engineer***

* Estimated and designed HVAC, plumbing and gas systems for residential and commercial buildings to comply with California Standards, using Autodesk Software.
* Prepared documentations for the engineering meetings and conducted onsite surveys. Put together submittal and closeout packets for city and field teams.
* Prepared heat loads calculations using Wrightsoft Right-Suite, and prepared water, drainage, gas fixture units schedules for projects.

**GRID ALTERNATIVES, Northern California** 03/2015 – 12/2015

***Volunteer***

* Volunteered as a team member on PV System installations and participated in workshops organized by Grid Alternatives.
* Passed **NABCEP Entry Level Exam** on 06/2015.

**LODZ UNIVERSITY OF TECHNOLOGY, Poland** 09/2012 – 08/2014

***Assistant Professor***

* Organized educational programs. Taught about HVAC systems, CAD design and implementation of renewable energy.
* Worked on PhD thesis and provided researches to implement improvements in heating systems solutions, participated in scientific conferences, wrote scientific articles and performed calculations and finite element analysis using ANSYS Workbench 14.5.
* Applied technical knowledge to design and quote custom products using SolidWorks software.

**“FRONTON” SP.Z O.O. ARCHITECTURAL DESIGN COMPANY, Poland** 05/2010 – 09/2013

***Assistant Architect / Mechanical Engineer***

* Designed and developed architectural, HVAC and plumbing projects for commercial and residential buildings (AutoCad 2D/3D, Revit MEP, VentPack), prepared drawings and specifications, revised construction documents.
* Participated in subcontractors meetings and field inspections, prepared meeting minutes and submitted requests for mandatory permits to the city.

**EDUCATION**

***MASTER'S DEGREE IN MECHANICAL ENGINEERING***

With concentration in Heating, Sanitary Systems and Purification of Air

**Lodz University of Technology, Poland**. Accredited by Academic Records Evaluation Center in Sacramento, California.

**Job Seeker Name:Maria / CV No:** **1676574**



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