



MATERIALIZ3D
Deliver imagination into real world

WE NEED THE BEST GRADUATES TO JOIN US!

Materializ3d is an R&D, prototyping and manufacturing lab under management of **Bsure, LLC.**, a creative, dynamic and eclectic start-up business enterprise based in Kansas City, USA. We have focused on the development of emerging technologies and global e-commerce since mid 2009. We believe that high-quality human capital is the core to global business success

We are looking for young, passionate, and versatile **Electrical/Electronic/Mechatronic/Industrial Automation Engineering** graduates who like working on challenging and diverse projects. Along with the chance to learn with us, you will be innovating new technologies that will be appreciated worldwide. You will be a part of dynamic company culture, developing leading edge Electrical/Electronic/Mechatronic Engineering technologies and supporting the growth of industries including color 3D printing, scanning, CNC carving and fabrication, injection molding and other rapid prototyping technologies. Our R&D and prototyping lab is located in Setrasari, Bandung.

IMMEDIATE JOB OPENINGS:

GENERAL RESEARCH AND MARKETING ASSISTANT

English-speaking general research assistant would assist the director and R&D team in data analysis about ongoing projects, supporting purchasing activities, and developing marketing channels. This vacancy is open to graduates from any disciplines.

3D MODELER

3D Modeler must not only be proficient in 3D modeling software such as, Blender, SketchUP, 3DS Max, Maya, SolidWorks, AutoCad but also possess a good sense of art. You will be working full time on art projects that will be carved on our CNC machines, plus editing full body scans of models.

G-CODE SCRIPTER

G-code scripter will be responsible for 5 axis CNC machine using Sprutcam software. Sprutcam software is used to convert .stl 3D image files into the G-Code tool paths that is used by the CNC machines to carve objects out of wood and metal. You will be working with the CNC routers, plasma cutters, water jet cutters and laser cutters.

ELECTRO-MECHANICAL ENGINEER

Key Responsibilities:

- Doing all aspects of research and development for advanced powder bed Piezo electric 3D printer project and CNC router table project, plus ongoing further projects.
- Producing drawings, calculations and specifications, and overseeing progress.
- Organizing existing research information and getting new insights for prototyping development.
- Assisting and supporting research and development department head as requested.

Requirements:

- Possess a combination of Electronic Engineering related degree and fundamental understanding of Electrical and/or Mechanical (Mechatronic) Engineering principles either from academic or commercial background.
- Strong technical skill with in-depth knowledge of:
 1. Analogue and digital circuits design
 2. Control theory
 3. PCB layout and PCB design software
 4. C or C++
 5. Embedded system (microcontroller, DSP, FPGA, VHDL/Verilog)
- Experienced in robotic projects and/or competition would also be desirable.
- Excellent communication skill, you have to be able to communicate in English fluently both verbal and written.
- Familiar with high-speed data processing, and have a highly organized approach to work.
- Demonstrated leadership, project management, and mentoring experience.
- Ability to adapt to company culture and its business ethic both in terms of team and corporate working.
- Good ability to multi-task and reprioritize as necessary.
- Personality: responsible, reliable, open-minded, trustworthy, mature and able to adapt to new situations.

MECHANICAL ENGINEER

Key Responsibilities:

- Building and developing various type of CNC Machines, 3D printers, 3D scanners, plus ongoing related projects.
- Prepare engineering related calculations and develop drawing and visual aids.
- Organizing existing research information and getting new insights for prototyping development.
- Assisting and supporting R&D department team as requested.

Requirements:

- Candidate must possess at least a Diploma, Bachelor's Degree in Mechanical/Mechatronic Engineering.
- Strong technical skill, passionate in the area of mechanical engineering.
- Intermediate – expert in: AutoCad, SolidWorks, Catia, Inventor or other relevant 3D software.
- Familiar with high-speed data processing, and have a highly organized approach to work.
- Preferably experienced in projects related to machine development especially in CNC, 3D printer and scanner technology.
- Excellent communication skill, you have to be able to communicate in English fluently both verbal and written.
- Good ability to multi-task and reprioritize as necessary.
- Personality: critical, responsible, reliable, open-minded, trustworthy, mature and able to adapt to new situations.

Benefits:

Remuneration package including annual bonus, health insurance cover, investment-pension fund, daily lunch and refreshments. Our company is located in strategic business area, close to public transportation facilities, just a walking distance to Trans Metro Bandung corridor 3.

How to apply:

Applicants are required to include a cover letter, resume, portfolio and any related certificates sent by email to:

Ms. Shintia, hrd@materializ3d.com

Subject: **APPLICATION_[POSITION]_[FULL NAME]**

Applicants will be reviewed on an ongoing basis. Candidates that meet the required criteria would be initially interviewed by phone, followed by a further stage interview and assessment onsite.