SOFTWARE ENGINEERING / COMPUTER SCIENCE INTERN

About this position

Urban Mining Company is a leading US producer of Rare Earth based magnetic materials, used in a range of everyday applications including automotive, electronics, renewable energy and air conditioning sectors. UMC is a young company with a strong R&D background. Current R&D activities include setting up a magnet manufacturing plant in San Marcos, Texas. This plant will manufacture NdFeB-based permanent magnetic materials using a proprietary recycling technique producing high performance magnetic materials without the environmental penalty typically associated with these materials.

For information on Urban Mining Company, visit www.urbanminingco.com

UMC is looking for someone to perform the following tasks:

- Designing and implementing software modifications to help improve the process;
- Developing specific projects and associated tasks with colleagues, often including input from other engineering disciplines;
- Developing, testing, and evaluating software designs;
- Discussing complex problems with manufacturing departments and sub-contractors to design/modify internal software;
- Using research, analytical, conceptual and planning skills.
- Working with other professionals, within and outside the engineering sector;

The ideal candidate will have the following:

- Strong programming experience, preferably in Python, Perl, PHP and java;
- Strong knowledge of object oriented programming;
- Experience with MySQL & SQL commands;
- Experience with web development such as HTML, CSS, JavaScript & jQuery.
- Knowledge of mathematical computing and analysis tools (Matlab, Excel, LabView etc.) is a plus;
- Creativity and analytical skills;
- Ability to communicate technical knowledge in a clear and understandable manner both orally and in writing;
- Technical writing skills.

The work is mainly office and laboratory-based with regular visits to plants, factories, workshops or building sites. Factory production areas can be noisy. Dress code can vary from that necessary for office-based work to a hard hat and overalls when working on site. Travel within a working day is possible.

In addition to meeting some of the desired skill sets listed, the applicant should be motivated and work well within a team to accomplish complex tasks. The applicant should be willing to work in an R&D and production environment. As safety and the environment is very important to Urban Mining Company, the
applicant should be motivated to work in a safe manner while meeting achievable deadlines. The job will require that the applicant conduct all their work at our facility, as is required.

By joining UMC, you will have the opportunity to be a part of an innovative, fast-growing company that’s a leader within the United States for manufacture and development of magnetic materials.

About Urban Mining Co

There is no company like us in the Western Hemisphere.

Urban Mining Company is a leading US producer of Rare Earth based magnetic materials, used in a range of everyday applications including automotive, electronics, renewable energy and air conditioning sectors. UMC is a young company with a strong R&D background. Current R&D activities include setting up a magnet manufacturing plant in Austin, Texas. This plant will manufacture NdFeB-based permanent magnetic materials using a proprietary recycling technique producing high performance magnetic materials without the environmental penalty typically associated with these materials. Until the manufacturing plant's completion, we will be operating in a temporary facility that is predominantly used for laboratory work: materials characterization and analysis. We also have a machine shop where we build components and prototypes, and modify existing pieces of equipment. Despite our R&D/science focus, our needs as a company are very diverse, including PR/marketing, legal/regulatory, outreach, and general business needs (financial analysis, bookkeeping, etc.).

Location

8201 E Riverside Dr, Suite 150, Austin, Texas 78744, United States

Compensation

TYPE
Unpaid

DURATION
1 Semester

Company Details

COMPANY SIZE
10 - 20 employees

INDUSTRY
Manufacturing - Other industry

HEADQUARTERS
8201 E Riverside Dr, Suite 150, Austin, Texas 78744, United States

WEBSITE
http://www.urbanminingco.com
Employer Preferences

MINIMUM CUMULATIVE GPA
N/A

ALLOWED SCHOOL YEARS
All school years and graduation dates allowed

ALLOWED MAJORS

WORK AUTHORIZATION REQUIREMENTS
US work authorization is required, but the employer is willing to sponsor candidates

Contact Information

CONTACTS
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