MIT China Summer 2014 Internship Opportunities

- Openings in Beijing, Shanghai, Hong Kong, and Wuxi
- All opportunities provide full summer compensation: airfare, monthly stipends, and travel medical insurance
- Open to all nationalities; basic to fluent Chinese language skills required
- Interested students should send resume and cover letter to mit-china@mit.edu to forward to the companies
- Companies will contact applicants directly for skype and phone interviews

Beijing: LP Amina: American environmental engineering company: Mech E/Chem E, etc
Hong Kong: Sun Hong Kai Properties. Property development in HK and China
Shanghai: Microsoft

Beijing

LP AMINA (http://www.lpamina.com/)

LP Amina is a multinational environmental engineering company with research and development activities in the US, Europe and Asia. Their mission is to deliver advanced environmental technology and solutions to support the sustainable use of coal resources for power, chemistry and other applications. Specialize in delivering complete solutions for power plants. Our know-how in system integration and ability to create, procure and fine tune world’s best and most innovative components allow us to deliver superior results in emission reduction and efficiency improvement.

Internship Opportunities

1. Engineering/Product Development Internship

Position Description
As an Engineering/Product Development intern, you will be involved in multiple projects with responsibility for designing one or multiple components while working with the designated project team to draft drawings and visit customer sites to take measurements as required. Additional tasks may include performing thermal calculations, helping draft technical
proposals, conducting small scale experiments and building prototypes, and working on improved processes or procedures for the Product Development or Engineering team. Additionally, we need people to assume a creative approach to help rapidly design and prototype ideas in Product Development.

**Responsibilities**
- Learn in detail about low NOx (LNB) burner retrofits and the market for low NOx technology in China.
- Use AutoCAD and SolidWorks to draw process & instrument diagrams (P&ID) and mechanical and structural hardware for low NOx projects.
- Help to write low NOx burner proposals and standardize the proposal template.
- Learn in detail about selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR) ammonia system layouts.
- Calculate thermal and mechanical performance using Excel.
- Visit the field at least once and explore thermal power plants.
- Present a technical lesson during a team meeting
- Present a technical result during a meeting with management

**Technical Requirements**
- Background or experience in one or more of the following: mechanical engineering, civil/structural engineering, electrical /controls engineering, process engineering, thermal engineering.
- Familiarity with Excel, AutoCAD, SolidWorks, Ansys, and/or CFD.


**Responsibilities:**
You will have the opportunity to work on exciting projects that will allow you to apply and develop your talents, skills, and experience.
- Work within a chemical processes development team, and be involved in developing new chemical process concepts.
- With flowsheets and mass balance calculations, help to outline new chemical synthesis routes for the purposes of producing new products from alternative non-petroleum feed stocks such as from: coal, natural gas and biomass.
- Use process simulation software, to provide insights into minimizing projected capital expenditures and maximize projected product revenues by assessing competing conceptual design options.
- Gain knowledge of real world chemical engineering processes.
- Develop economic feasibility assessments to help us deploy capital wisely with a view toward ultimately transforming the energy and material industries.
Qualifications
- Bachelor's or Master's Degree in Chemical Engineering
- Proficiency with Microsoft Office (including MS Word, Outlook, Excel and PowerPoint)
- Proficiency of process modeling with Aspen PlusTM or Aspen HysysTM

Hong Kong

Sun Hong Kai Properties, Hong Kong

Training
1. Work under Project Management team and/or Architectural and Engineering team. Civil engineering majors will work in a Construction team and Management majors will work in the Sales and Marketing team.

2. Areas of on-job training will include project management, architectural design, construction, marketing (sales & leasing), corporate planning.

3. Appropriate mentors will be assigned to each intern.

4. On the job training i.e. direct involvement in the assigned projects.

5. Projects assignments in Hong Kong and Mainland China.

Requirements
1. Graduate students with architecture, engineering related to buildings industry (e.g civil, structural & building systems), business & management (MBA), economics and marketing, etc.

2. Spoken language - fluent Mandarin and/or Cantonese and English

3. Prefer graduate students who are approx. 1-2 years from graduation

Shanghai

Microsoft Server & Tools Business China (Shanghai) was formed in March 2005 as a testament to Microsoft's commitment to fostering the growth of the software ecosystem in China. It works
closely with partners in the Shanghai area and help to develop software talent in the region. We work on many strategic products for Microsoft’s Server and Tools business (STBC) including high performance computing, web services, identity access and management, enterprise management, data access, development tools, enterprise security, and Windows Server solutions. We are integrated with product teams in Redmond, Washington and around the world.

Our office is growing and we are part of a dynamic environment that helps bring together top talent from Shanghai, Greater China and across Asia to help Microsoft achieve innovative products for our customers.

Microsoft Shanghai Internship Openings:
STBC is currently seeking Software Design Engineer Interns, Software Design Engineer in Test Interns and Program Manager Interns.

Wuxi, Jiangsu Province

Symax Lift (China) Co., LTD. (www.symaxlift.com) Products: passenger lifts, escalators, cargo lifts, etc. Develops, manufactures, services and sells elevator and escalator products globally. The company is a wholly owned subsidiary of Symaxlift (Holding) Co., Ltd, which is a Canadian listed public company. In addition to elevator/escalator business, Symax also develops innovative technologies in biotechnology, new materials, and new energy products.

Internship Opportunities:

High speed elevator and non-barrier equipment R&D.
Skills required: AC motor driving systems (especially for PMS motor); computer programming skills (for elevator intelligence control)


Internship Openings for Business management or related majors; MBAs, etc

Weifu High-Technology Group Co., Ltd. (www.weifu.com.cn)
Products include air management system, fuel injection system and after treatment systems which are delivered to automobile OEMs in China and across Asia, Europe, the U.S., and Africa.

Internship Opportunities:

Project 1: Environmental protection: Work on solid waste treatment, air pollution treatment and soil remediation industries. Preliminary research on domestic and foreign industries, including types of technology, market demand, government policies, and industry forecasts. Work on identifying suitable technologies in this industry for Weifu High-Technology Group.

Project 2: New energy. Work on new energy vehicles and lithium batteries. Investigate domestic lithium battery and vehicle manufacturers, and become acquainted with the status of China’s lithium battery and power industries.

Internship Job Title: Product Engineer
Candidate qualifications:
- Environmental Engineering or Chemical Engineering.
- Experienced is preferred.
- Good PC skills and Software practice.

Yinbang Clad Material Co., Ltd. (www.ybly.com)

Focuses on the R&D, production and sale of aluminum clad material, muti-metal clad material and non-clad aluminum material. Produces clad material plates, strips and foils for brazing applications in China, and is the only domestic supplier in China which produces aluminum clad steel strip for powerplant air cooling condensers.

Internship Opportunities

Work on Metal Additive Manufacturing Industry processes. Need good command of digifax support design; optimization of lean production processes and post-processing manufacturing.

How to Apply:

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