

Externship Thumbnail Sketches-2008

Industry	Company/ Location	Preferred Degrees/ Skills (Not Required)	Summary Description
Aerospace/ Engineering	BAE Systems Lexington	B.S. or M.S., Engineering/Math Discipline. CAD experience, electrical lab skills, tolerance analysis, optical experience.	A challenging project based on skills capabilities of teacher will be defined to fit within the 8 week period.
Biotechnology	Cubist Pharmaceuticals Lexington	B.S. or M.S., Chemistry; experience working in a chemistry lab.	Antibacterial research in a medicinal chemistry lab.
Biotechnology	Cubist Pharmaceuticals Lexington	B.S. or M.S., IT/Business; MS Office, particularly Excel and Word. Strong analytical/quantitative skills. Knowledge of Oracle ERP and Cognos system preferred.	Work with IT/Business staff on array of technical support issues.
Engineering	Acentech, Inc. Cambridge	B.S. or M.S., Physics	Work on diverse consulting projects with staff in Noise and Vibration and Architectural Acoustics Groups.
Engineering	CDM (Camp Dresser & McKee) Cambridge	B.S. or M.S., Environmental Science, Geology, Chemistry, Biology/Toxicology, Civil/Environmental Engineering and/or Chemical Engineering	Work on and assist in preparation of technical reports for hazardous waste assessment/ remediation projects for public and private sector clients.
Engineering	CDM Cambridge	B.S. or M.S., Civil or Environmental Engineering or related field. Math and Science, Word and Excel, AutoCAD skills.	Research and compile engineering data, perform field investigations, proofread technical reports and specifications, perform AutoCAD work, oversee high school intern.
Engineering	Simpson Gumpertz & Heger, Inc. (SGH) Waltham	B.S. or M.S., Physics, Engineering, Math. Likes to work their hands.	Work with Building Technology and/or testing laboratory.
Engineering	Stantec Consulting Inc. Westford	Civil/Environmental Engineering, Mathematics, Science or similar degree.	Work on water or waste pumping station designs and projects.

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Engineering	Tetra Tech Rizzo Framingham	Science or Math degree. Computer comfortable with knowledge of Excel and Word.	Extern will spend one week each with several departments within an engineering and environmental services consulting firm.
Engineering	Vanasse Hangen & Brustlin, Inc.(VHB) Watertown	B.S., Engineering, Math or Science. Field work may be required.	Extern will work with civil engineers and scientists on daily project activities. Accompany staff to client meetings and town hearings.
Engineering	Weston & Sampson Engineers, Inc. Peabody	Science related degree (biology, engineering, etc.)	Projects based on teacher's specific interests will be assigned in the field and office in water and waste water permitting.
High Technology	Advanced Electron Beams, Inc. Wilmington	B.S., Science or Engineering	Work with R&D and engineering groups on new and existing applications.
High Technology	Lincoln Laboratory Lexington	Physics or Math degree.	Federally funded research center employing 1500 of the country's leading math, science, technology and engineering researchers. Projects under development
High Technology	Raytheon Company Marlborough	Math, Physics, Meteorology	Work with engineers Producing solutions for networking command and control, integrated communications, air traffic control management, homeland security research.
Biotechnology	Perkin-Elmer Waltham	B.S. or M.S. biology; experience working in commercial lab setting	Work in lab setting on molecular cell biology research.

All information above is confidential. Companies listed have specified that all contact regarding these positions should be through the LIFT² program staff. For questions and further information, please contact Diane Ring at 508-281-6910 x9 or dring@mswreb.org.