C A R E E R  O P P O R T U N I T I E S

THE UNIVERSITY OF TENNESSEE, The Imaging, Robotics, and Intelligent Systems (IRIS) Laboratory. The IRIS Lab invites applicants for multi-year Research Assistant/Associate Professorships and Ph.D. Fellowships. The IRIS Lab’s emphasis is in the fields of Three-dimensional Imaging, Data Fusion, and Visualization. For 2004, the IRIS Lab is expected to have a staff of 50 and an annual budget over $3.5 million. Interested persons should contact: Mongi Abidi, Professor and Associate Department Head, Department of Electrical and Computer Engineering, 328 Ferris Hall, Knoxville, TN 37996-2100. Web: http:// imaging.utk.edu/opportunities/opportunities.htm, Phone: 865-974-5454, Fax: 865-974-5459, E-Mail: abidi@utk.edu. UTK is an EE/AA/Title VI/Title IX/Section 504/ADA/DEA Employer.

SENIOR SOFTWARE ENGINEER. Leads software engineers utilizing C, C++, JAVA, SQL, VC++, VJ++ Languages, Corba toolkit for the development of Telecommunication Management Network Toolkit. Must be familiar with DSET’s TMN tools and Applications (GDMO, Agent/Manager Toolkit, DSG, ASN.C++,CMISE, ACSE tools), and with software lifecycle process such as ISO9001. Must be conversant with PVCS and Clearcase versioning systems. Must have experience in operating systems such as Unix, Windows, XsWorks/psoS, Realtime OS, also in Local Number Portability and Broadband Solutions development. B.S in Computer or its equivalent and min. 2 years exp. in job offered. Send resume to HR. NE Technologies Inc., 5085 Avalon Ridge Pkwy Suite 100, Norcross, GA 30071.

CALTECH. Postdoctoral research positions at Caltech’s Center for Advanced Computing Research are open in innovative, high-performance computer architecture, Ph.D. in computer science, computer engineering or equivalent required. See (www.cacr.caltech.edu). Resume to: Susan Powell, spowell@cacr.caltech.edu.

ARIZONA STATE UNIVERSITY, Department of Computer Science and Engineering. The Computer Science and Engineering Department in the Ira A. Fulton School of Engineering at Arizona State University has faculty positions open at all levels. The desired areas include, but not limited to, embedded software and systems (with focus on computer architectures, middleware, and system software), data and information management (with focus on data and information integration, enterprise data computing, and data grids), pervasive computing (with focus on wireless networks and mobile computing), information assurance (with focus on privacy and network security), and information processing and visualization (with focus on natural language processing, computational geometry, and reasoning with uncertainty). Nominations and applications of the outstanding candidates are invited. The expected starting date for the positions is January 1, 2005. Applicants are required to have completed their Ph.D. in computer science, computer engineering, or a closely related field by the appointment date. Applicants must show exceptional promise in research and teaching. For senior positions, evidence of research/scholarly activity, teaching and service in computer science and engineering appropriate to the rank being applied are required qualifications. Evidence of scientific, academic and organizational leadership, educational innovation, and demonstrated effectiveness in establishing industry partnerships are also desired for senior positions. The successful candidates will be expected to establish an extramurally funded research program and participate in the interdisciplinary research and teaching initiatives in the Department of Computer Science and Engineering. ASU is a major research university widely recognized as a rapidly emerging educational institution in the US. The main campus is located in the city of Tempe, in the metropolitan Phoenix area. Recently, the School of Engineering received a $50 million gift, which is providing funding for scholarships, fellowships, and research programs. Earlier this year, the Computer Science and Engineering (CSE) Department relocated to a brand new building, which provides state-of-the-art research and teaching facilities and plenty of room for growth. This is in line with our president’s vision about the New American University, where strong computer science and engineering research forms one of the main driving forces for ASU’s push for excellence. Closely paralleling this vision, the research expenditures of CSE more than doubled between years 2000 and 2003. To complement CSE’s leading position in research and teaching, we are in active collaboration with the research centers and consortiums that are the core of State of Arizona’s and ASU’s investments for their future. The Institute for Computer and Information Science and Engineering (InCISE) is a collaboration of interdisciplinary research units that share research expertise in Computer and Information Science. CSE department is a leading member of the Consortium for Embedded and Inter-Networking Technologies (CEINT), whose members also include Intel and Motorola. The AZBioDesign Institute, a hub for biotechnical and biodesign research in central Arizona and the CSE department are working with the local genomics research community that includes the Translational Genomics Research Institute (TGen) and the International Genomics Consortium. Other interdisciplinary research centers that the department closely interacts with includes the Partnership for Research In Spatial Modeling (PRISM), the Center for Ubiquitous Computing (CubIC), and the Arts, Media, and Engineering Center (AME). These centers are key to develop research facilities and educational laboratories in addition to the extensive funding of research projects and curriculum development projects at ASU. Most of this funding has been supplemented by other funding from State of Arizona and Federal agencies to create new capabilities for students, faculty, and researchers. Initial closing date for nominations and applications is August 15, 2004; if not filled, the 15th and 30th of each month thereafter until the search is closed. Application packages must include a cover letter, detailed curriculum vitae, research and teaching statements, hard copies of the most important publications, and the names and phone numbers of four references. These packages must be sent by regular post to Chair of Faculty Search Committee, Department of Computer Science & Engineering, Ira A. Fulton School of Engineering, Arizona State University, Tempe, AZ 85287-8809.ASU is an equal opportunity, affirmative action employer.

Computer Science Jobs at ITA Software

ITA Software—the engine behind millions of airfare searches conducted daily on websites such as Orbitz.com, AirCanada.ca, Continental.com and Cheaptickets.com—is currently hiring in all departments, including software engineering, QA, operations, and sales & marketing.

ITA Software has attained a leadership role in the fast-growing online travel sector through technical excellence. Our algorithmic innovations span the computer science fields of graph theory, parsing, machine learning, databases, optimization, and distributed systems. Our programmers write robust, efficient code using whatever language is best suited to the task: LISP, C++, Java, Python, Perl or XSLT.

With a staff of just sixty, each individual at ITA Software has a substantial impact on our success. We are looking for people who thrive in a culture that is socially relaxed, yet hard-working and technically superlative. All positions are in our Cambridge, MA office.

http://www.itasoftware.com/careers

Computer
D. E. Shaw Research and Development

Systems Architects and ASIC Engineers
Specialized Supercomputer for Computational Drug Design

Extraordinarily gifted systems architects and ASIC design and verification engineers are sought to participate in the development of a special-purpose supercomputer designed to fundamentally transform the process of drug discovery within the pharmaceutical industry. This early-stage, rapidly growing project is being financed by the D. E. Shaw group, an investment and technology development firm with approximately US $8 billion in aggregate capital. The project was initiated by the firm’s founder, Dr. David E. Shaw, and operates under his direct scientific leadership.

This project aims to combine an innovative, massively parallel architecture incorporating 90-nanometer “system on a chip” ASICs with novel mathematical techniques and groundbreaking algorithmic advances in computational biochemistry to direct unprecedented computational power toward the solution of key scientific and technical problems in the field of molecular design. Successful candidates will be working closely with a number of the world’s leading computational chemists and biologists, and will have the opportunity not only to participate in an exciting entrepreneurial venture with considerable economic potential, but to make fundamental contributions within the fields of biology, chemistry, and medicine.

The candidates we seek will be unusually intelligent and accomplished, with a demonstrated ability to design and implement complex, high-performance hardware solutions based on the latest semi-custom technologies. We are prepared to reward exceptionally well-qualified individuals with above-market compensation.

Please send resume, along with GPAs, standardized test scores (SAT, GRE), and compensation history, to career9@desrd.desshaw.com.

D. E. Shaw Research and Development, L.L.C. does not discriminate in employment matters on the basis of race, color, religion, gender, national origin, age, military service eligibility, veteran status, sexual orientation, marital status, disability, or any other protected class.

D E Shaw & Co
DATA RECOVERY ENGINEER. 4 positions open, recover lost data from several different crashed operating systems such as: DOS, Windows 95/98/ME, Windows NT3.5, 4.0, 2000, IBM OS/2, Novell Netware, Linux, and Unix. Recover data from crashed Hard Disk Drives, Floppies, Tape backups, CD-ROMS, JAZ & ZIP cartridges, Flash Cards, and Optical Disks. Must have BA in Electrical or Mechanical Engineering, and posses two years of related work experience. 40 hrs/wk, 9AM-6PM. Send resume to Disk Doctors Labs, Inc., 6000 Live Oak Parkway, Suite 102, Norcross, GA 30093.

THE HONG KONG POLYTECHNIC UNIVERSITY, Department of Computing, Assistant Professor in Computer Graphics and Multi-media / Software Engineering / Wireless and Mobile Computing / Chinese Computing. Applicants should have a PhD degree in Computing or closely related fields, a strong commitment to excellence in teaching and research as well as a good research publication record. Remuneration: Initial appointment will be made on a fixed-term gratuity-bearing contract. Re-engagement thereafter is subject to mutual agreement. Remuneration package will be highly competitive. Salary offered will be commensurate with qualifications and experience. Applicants should state their current and expected salary in the applications. Application: Please submit application form via email to hrstaff@polyu.edu.hk; by fax at (852) 2764 3374; or by mail to Human Resources Office, 13/F, Li Ka Shing Tower, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong. Application forms can be obtained via the above channels or downloaded from http://www.polyu.edu.hk/hrd/job.htm. Recruitment will continue until the position is filled. Details of the University’s Personal Information Collection Statement for recruitment can be found at http://www.polyu.edu.hk/hrd/job.htm.

SR. SOFTWARE ENGINEERS
Los Angeles, CA & Washington, DC Areas

We are currently seeking Sr. Software Engineers who are skilled in all life cycle phases for space systems (satellites, launch vehicles and ground systems). Will provide expertise in software acquisition, software capability evaluation, software process improvement, software lifecycle, software methodology, software architecture, standards, database and knowledge engineering, languages, tools, modeling and analysis, computer and embedded systems, advanced technologies, or human systems integration. Perform requirements analysis, architecture and design evaluation, code analysis, as well as performance and test assessment.

Requires a degree in computer science, engineering, mathematics or equivalent (advanced degree preferred) and 8+ years of relevant experience that includes the definition, development, or operations of large, complex, software intensive systems. Candidates interested in pursuing applied research and new business development a plus.

Applicants selected will be subject to a security investigation and must meet eligibility requirements for access to classified information.

In exchange for your contributions, we offer competitive compensation and exceptional benefits. Send your resume by Internet to: Elaine.Harrell@aero.org or FAX to: (310) 336-7933 or mail to: The Aerospace Corporation, Human Resources, Professional Placement, M3/050, P.O. Box 92957, Dept. PJ1-0362, Los Angeles, CA 90009-2957.

An Equal Opportunity Employer, M/F/D/V.

THE AEROSPACE CORPORATION