

## COOPERATIVE EDUCATION POSITION AVAILABLE

Argonne National Laboratory, one of the U.S. Department of Energy's (DOE) major research centers is pleased to announce an opportunity for college and university undergraduate students to participate in the Laboratory's ongoing programs.

The Information Solutions (IS) group of the Advanced Photon Source Engineering Support Division at Argonne is looking for a part-time Computer Science Co-op student to assist Software Engineer (IT staff) in the following activities:

- Design and development oracle database models, stored procedures, plsql packages
- Design and code web applications with oracle database back-end
- Design and development dynamic Web interface with HTML, CSS, JavaScript, jQuery, extJS libraries
- Maintain and query data from oracle database
- Fix bugs and enhance the enterprise applications

Required qualifications include:

- Good knowledge and some experience in designing and creating dynamic web interface with HTML, JavaScript, CSS, jQuery, Bootstrap, and extJS
- Good knowledge and some experience of OO programming with Java and PHP, and other computer languages such as Python, Linux scripts, SQL, etc.
- Good knowledge of enterprise application MVC frameworks, such as Spring, JavaServer Faces, ZEND framework
- Good knowledge in data structure and relational database
- Good trouble shooting and problem solving skills
- Fast learner for new technologies
- Basic knowledge of networking, operating system and hardware

**Requirements for the Co-op Program:** Grade point average of at least 2.8 on a 4.0 scale; U.S. citizen or Legal Permanent Resident; enrolled full-time in a U.S. college or university. Laboratory policy requires that at the time of employment, prospective employees pass a physical examination, which includes drug and alcohol testing, performed by the Laboratory's Medical Division at no cost to the prospective employee. A satisfactory background investigation is also required.

**Hours:** Students must commit at least one year of work which includes 19 hours per week while classes are in session, and full-time during summer and academic breaks, with some adjustments for final exams or major academic project work.

**Contact:** Please send résumé and letter of reference to Lisa Reed at [lisareed.anl.gov](mailto:lisareed.anl.gov). For information on the Co-op Program visit our website at [www.anl.gov/education](http://www.anl.gov/education).