



TRANSYLVANIA UNIVERSITY COMPUTER CAMP

ADVANCED ROBOTICS AND PROGRAMMING JUNE 20-25, 2010

FOR STUDENTS ENTERING GRADES 9-12 IN FALL 2010



ABOUT THE CAMP

This camp will introduce you to advanced ideas behind either robotics or programming. Building on skills acquired from earlier experience, you will have the opportunity to explore either robotic learning, navigation, and communication or programming in the "real" world. All campers will gain experience on the Linux operating system. Cost for the camp is \$350.

SCHEDULE

Camp begins Sunday night, June 20 and ends Friday morning, June 25.

Morning and afternoon programming sessions will begin with a short lecture, then you will be allowed to address several challenges in response to the topic covered in the lecture. Learn at your own pace, but instructors will be available to help if you have questions or problems.

Evening sessions are reserved for independent work and network gaming.



INSTRUCTORS

Kenny Moorman, associate professor of computer science, and Mike LeVan, associate professor of mathematics, will serve as instructors. Transy students will help supervise the computer labs and will live with the campers in the residence halls.

FACILITIES

During camp, you will live in a Transylvania residence hall and eat three meals a day in the dining hall, beginning with breakfast on Monday. You can also use Transy's library, computing laboratory, and recreational facilities. Internet services will not be available in the dorm rooms.

ELIGIBILITY

To be eligible for this camp, you must have attended a previous Transylvania academic camp or taken some programming classes at your high school. If you do not have this background, please consider registering for our Introduction to Java Programming Camp.

Enrollment is limited to 35 campers, so apply early. **The application deadline is May 1**, and confirmations will be sent by May 15. If you are not selected for camp, your deposit will be refunded.



ABOUT TRANSYLVANIA

Transylvania University is consistently ranked in national publications as one of the top liberal arts colleges in the nation. Transy is listed in *U.S. News and World Report's America's Best Colleges*, *Smart Parents Guide to College*, and *Princeton Review's The Best 371 Colleges*.

Transy awards the bachelor of arts degree in 37 majors, or students can design a major with approval of the academic dean. The natural sciences and mathematics division exemplifies the university's tradition of academic excellence, stressing sound fundamentals in biology, chemistry, computer science, math, and physics. The division also offers a major in pre-engineering as well as special advising for students planning careers in medicine, veterinary medicine, dentistry, and other health professions.

For more information about Transylvania, please visit our Web site: www.transy.edu.

For additional camp information:

Charlotte Taraba
(859) 233-8228
ctaraba@transy.edu
<http://homepages.transy.edu/~camps>

APPLICATION

Please enroll me in Transylvania's Advanced Robotics and Programming Camp.

Name _____ Gender _____

Preferred Name (Nickname) _____ Shirt Size _____

E-mail _____

Grade Sept. '10 _____ School _____

Home Address _____

City, State, Zip _____

Parent(s) _____

Telephone _____

Parent(s) Place(s) of Employment _____

Business Phone _____

What camps have you previously attended? _____

Would you like to purchase a robot? _____

How did you hear about the camp? _____

Transylvania's Advanced Robotics and Programming Camp includes on-campus meals and computer instruction. Campers, their parents, and relatives agree to abide by the rules and regulations established for the health, safety, and welfare of the campers. Conduct judged not in the best interest of the camp will result in a camper's dismissal without refund of camp fees. There will be no allowance or refund for late arrival or early departure. The camp is not responsible for loss of personal property. The parent or guardian grants Transylvania the right to use, for publicity or advertising purposes in any medium, the camper's name and hometown as well as any camp-related photographs, statements, and letters involving the camper. The camp is coeducational.

Return completed application and \$100 registration fee to:

Academic Camp
Transylvania University
300 North Broadway
Lexington, KY 40508