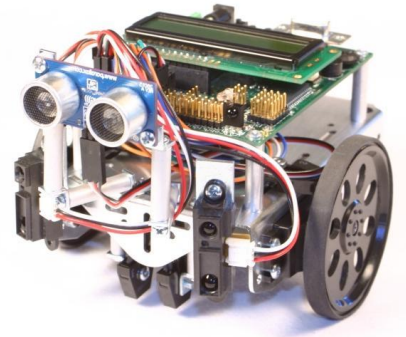# Departmental Resources

The Computer Science program was ranked number one of the top 100-Degree Producers of African American Baccalaureate Computer & Information Science Degrees as reported in July 9, 1998 issue of the Journal of Black Issues in Higher Education. Since that time the Computer Science program has continued its efforts to strive to meet the needs of the 21st Century workforce with productive students placed in all areas of the computer science profession. Our program objectives are to prepare students to be productive in the profession; with exceptional undergraduate training developed through an experience that is challenging but firmly based on the faculty accomplishments in teaching and research, student accomplishments, and collaborative works. The Department also maintains student chapters of Association of Computing Machinery (ACM) and Mathematics and Computer Science Club.

The major research interests of the faculty are:

- Sensor networks
- Cognitive Radios
- Model-Driven Engineering
- Computer and Network Security
- Computer Graphics
- Computer Games
- Computer Simulation
- Data-mining

Computer science graduates are holding high-ranking positions as vice-presidents at IBM, CISCO, TRW; and upper management positions and entry level positions at many other corporations and government agencies, including Motorola and Dell, Inc..

In 1987, Computer Science program was described as a "jewel" program by the review committee appointed by Louisiana Board of Regents.

The combined publication record of the computer science faculty is over 150 in both national and international journals.

Over the last sixteen years, the Department has acquired grants close to $14M from federal, state, and private agencies. This includes the following four major grants: U. S. Army Research Office grant of $9.4M for a period of seven years (1995-2001) for Parallel and Distributed Evaluation, Visualization, and AI Reasoning to Advance Distributed Interactive Simulation Technology; Army Research Laboratory Cooperative Agreement to conduct research in Intelligent Agent Technology and Tools; High Performance Computing Modernization Program (HPCMP) to

conduct research in Computational Technology Areas (CTAs) that are relevant to DoD; scholarship award of $494,204 from the National Science Foundation; Minority Leaders Program (MLP 2005-2011) to conduct research $800,000 (approximately); DEPSCoR from Office of Naval Research to conduct research $76,000;

The Departmental programs have established a committed and long term partnerships with major corporations, government agencies, and academic institutions and increased the number of co-op and intern positions and career opportunities to our students.

Hewlett Packard has selected the Computer Science program at GSU to partner with and establish a closer relationship to bring this program to national visibility. This partnership was established based on a national selection process that involved more than 200 computer science programs.

The graduates of our Department are being recruited by major corporations and government agencies with starting salaries in the range of $50,000 to $70,000.

The Department of Computer Science has state-of-the-art equipment in the computer laboratories. The computing facilities support student learning in the areas of computer science: Wireless Sensor Networks, Computer Games (Gaming), Computer Graphics, Web Programming, and Network Security. The facilities available to Computer Science majors include the on-line training courses (CBT Nuggets) in most of the computer languages and certification courses. The classroom instruction and specialized projects will be supervised by specialized faculty members and facilities are supported by the well-trained System Administrator.

The Department is the member of Microsoft Digital Network Academic Alliance (MSDNAA). This alliance allows regular updates of the several Microsoft software packages. It allows the faculty members and the students to load selected software onto their own computers. Faculty offices are equipped with state-of-the-art Dell Desktops and Laser Printers.

The Department currently offers scholarships and research assistantships to qualified students who are majoring either in computer science. Most of these scholarships are offered through academic enrichment programs and are limited by availability of funds provided by the National Science Foundation, Air Force Research Laboratory, and the Department of Energy.