

**Alberto G De La Cruz**  
24 Ross Way, Richmond Hill GA 31324  
Tel: (912)-358-4267 (Office), (912)-660-3970 (Cell)  
E-mail: [delacruz@savannahstate.edu](mailto:delacruz@savannahstate.edu)

## EDUCATION

- **Doctor of Education (EdD) in Educational Leadership** **expected graduation (May 2026)**  
**Concentration in Higher Education Leadership**  
Georgia Southern University, GA, USA  
Courses with an emphasis on Higher Education curriculum and Leadership.
  
- **Master of Science (M. Sc.) in Information Technology** **2007 – 2009**  
**Concentration in Software Development**  
Nova Southeastern University, FL, USA  
Courses with an emphasis on programming languages and virtual environments such as:  
Java, VMRL, VMWare, SQLPlus.  
Courses with emphasis in:  
Cryptography, Artificial Intelligence, Operating Systems, Secure Computer Systems and Computer Graphics, Human Computer Interaction.
  
- **Bachelor of Arts (B.A.) in Computer Science** **1998 – 2002**  
**Minor: Mathematics**  
Felician University, Lodi, NJ, USA  
Courses with an emphasis in programming computer languages/tools such as:  
VB6.0, C, C++, Java, Web Design, VB.Net, C#.Net, J#, Perl Scripting, UNIX, Database Management and SQL Server.  
Courses with an emphasis in Electronics such as:  
Electronics I and II, Digital Systems, Microcontrollers, Digital Communications, Fiber Optics, Microcomputer Interface

## WORK EXPERIENCES

- **Assistant Professor** **Aug 2021 – Present**  
Department of Engineering Technology, Savannah State University, Savannah, USA
  - Teaching courses from Computer Science Technology (CST) program which include:
    - CSCI 1130 Computer and its Applications
    - CSCI 1301 Computer Science I
    - CSCI 1610 Programming in Java
    - CSCI 1731 Computing for Scientists and Engineers
    - CSCI 2215 Perl Scripting
    - CSCI 2231 Introduction to UNIX
    - CSCI 3000 Data Structures and Algorithm Design
    - CSCI 3210 Advance Java.
    - CSCI 3385K Computer Network and Design
    - CSCI 4010K Ethical Hacking and Penetration Testing
    - CSCI 4020K Mobile Computing Development
  - Advising CST students in courses and academic matters.

- Serving/served in college/department Student Handbook Committee and Assessment Task Force; departmental Continuous Improvement, grade appeal; and several other college and university committees.
- Involved in the development of the engineering (CST, ELET and CIVT) computer laboratories
- Serving as a Faculty Mentor for Peach State Louis Stokes Alliance Minority Program (PSLSAMP) students
- Revise program curriculum to keep up with technology changes
- Coordinate class scheduling with department chair
- Complete annual program assessment reports for ABET and SACS accreditation
- Other coordinator duties assigned by the department chair

□ **Instructor/CST Program Coordinator**

**Aug 2014 – July 2021**

Department of Engineering Technology, Savannah State University, Savannah, USA

- Teaching courses from Computer Science Technology (CST) program which include:
  - CSCI 1130 Computer and its Applications
  - CSCI 1301 Computer Science I
  - CSCI 1610 Programming in Java
  - CSCI 1731 Computing for Scientists and Engineers
  - CSCI 2215 Perl Scripting
  - CSCI 2231 Introduction to UNIX
  - CSCI 3000 Data Structures and Algorithm Design
  - CSCI 3210 Advance Java.
  - CSCI 3385K Computer Network and Design
- Advising CST students in courses and academic matters.
- Serving/served in college/department Student Handbook Committee and Assessment Task Force; departmental Continuous Improvement, grade appeal; and several other college and university committees.
- Involved in the development of the engineering (CST, ELET and CIVT) computer laboratories
- Serving as a Faculty Mentor for Peach State Louis Stokes Alliance Minority Program (PSLSAMP) students
- Revise program curriculum to keep up with technology changes
- Coordinate class scheduling with department chair
- Complete annual program assessment reports for ABET and SACS accreditation
- Other coordinator duties assigned by the department chair

□ **Adjunct Faculty**

**Jan 2010 – Jul 2013**

Department of Engineering Technology, Savannah State University, Savannah GA, USA

- Teaching undergraduate computer science courses
  - CSCI 1130 Computer and its Applications
  - CSCI 1301 Computer Science I
  - CSCI 1610 Programming in Java
  - CSCI 2231 Introduction to UNIX
  - CSCI 3385K Computer Network and Design

□ **Lab Instructor/ Manager**

**July 2007 – July 2014**

Department of Engineering Technology, Savannah State University, Savannah GA, USA

- Teaching undergraduate Electronics Engineering Technology laboratories

- Circuit Analysis I and II
  - Digital Systems I and II
  - Electronics I and II
  - Microcontroller
  - Microcomputer Interfacing
  - Configure and test educational circuit boards before utilization in class/laboratory environment
  - Assist students and faculty with hardware/software problems.
  - Maintain hardware/software of all Engineering computer labs
  - Keep inventory of all equipment acquired by the Engineering Department
- **KMS Associate System Analyst** **May 2007 – Jul 2007**  
 Convergys Corporation, Jacksonville FL, USA
- QA Authoria Block Reports
  - Perform maintenance and update to the AutoMerge Process application.
- **Computer Lab Support** **Sep 2005 – May 2007**  
 Department of Engineering Technology, Savannah State University, Savannah GA, USA
- Administered support to students in the use of computers, software, printers and other peripherals.
  - Detect/Correct hardware or software problems
  - Install or Update software as needed and perform duties as assigned
  - Apply group policies in all engineering computer labs to prevent future modifications using Microsoft Windows Server and Windows Active Directory
  - Configure and install Network devices (CISCO/LINKSYS/D-LINK/NETGEAR)
  - Troubleshoot network issues
  - Supervise/maintain the student's message system.
- **Information Technology Specialist** **Jan 2003 – May 2005**  
 US Army, Fort Stewart, GA, USA
- Setup and maintain a network environment in a company level
  - Design and maintain an application to keep all personnel information
  - Design and maintain an application to keep inventory of supplies
- **Programmer Analyst** **May 2000 – Dec 2002**  
 Diagnostic Product Corporation, Flanders, NJ, USA
- Assist in the development of modifications/updates to enhance applications' functionalities
  - Analyze programs' functionalities and requirements based on clients' needs
  - Maintain/Debug established applications by following ISO (International Organization for Standardization) policies and procedures

#### **AWARD/SCHOLARSHIP**

- Honor's Roll (Fall 2001) Dean's List (Spring 2001) Dean's List (Spring 2002)

#### **GRANT ACTIVITIES**

##### **EXTERNAL**

- Awarded a two-year (2023-2025) grant from the NSA titling 'Savannah State University 2024 GenCyber Tiger Netizenz Summer Camp' as PI. Amount awarded: \$149,995.
- Awarded a one-year (2023-2024) grant from Georgia Space Grant Consortium titling 'SSU NASA GA Space Grant Scholars Program' as co-PI. Amount awarded: \$10,000.



- ❑ GenCyber Workshop, West Arlington, VA May 2022
- ❑ GenCyber Workshop, Virtual Sep 2021
- ❑ GenCyber Workshop, Virtual April 2021
- ❑ GenCyber Workshop, Virtual Sep 2020
- ❑ Cybersecurity: A System Approach, Atlanta, GA Feb 2020
- ❑ PLSAMP Conference, Athens, GA Oct 2019
- ❑ GenCyber Workshop/Meeting, National Harbor, MD Sep 2019
- ❑ GenCyber Workshop/Meeting, Phoenix, AZ Sep 2018
- ❑ GenCyber Workshop/Meeting, Bellevue, WA Apr 2018
- ❑ PLSAMP Conference, Atlanta, GA Oct 2017
- ❑ NASA Rover Exploration Workshop, Huntsville, AL Apr 2017
- ❑ Android Application Development, Atlanta, GA May 2016
- ❑ CISCO Interconnecting Network Devices II, Atlanta, GA Jul 2013
- ❑ Field Programmable Gate Array (FPGA) Workshop, Orlando, FL Aug 2012
- ❑ Human Computer Interaction/Secure System Design, Fort Lauderdale, FL Jan 2012
- ❑ CISCO Interconnecting Network Devices I, Atlanta, GA Feb 2011
- ❑ CISCO Boot camp V2 (CCNA Training), Atlanta, GA Jan 2010

#### **TECHNICAL SKILLS**

Visual Basic, Visual C#, C/C++, Java, Python  
 SQL Server, MySQL, Access  
 Microsoft Windows Server and OpenSuSe Server (UNIX BASED)

#### **CERTIFICATIONS**

Cisco Certified Network Associate, 2010

#### **PROFESIONAL MEMBERSHIPS**

Association for Computing Machinery (ACM)  
 Institute of Electrical and Electronics Engineers (IEEE)  
 IEEE Computer Society

#### **PROFESSIONAL ACTIVITIES**

- ❑ Judge 2023 Savannah Regional Science and Engineering Fair
- ❑ Judge 2022 Savannah Regional Science and Engineering Fair
- ❑ Judge 2017, 2018, 2019 annual PLSAMP conferences.
- ❑ Development and Configuration of the Campus Virtual (E-Learning) for the Gobierno Regional de Huánuco, Peru. (2015)
- ❑ Development of the Engineering Technology Student Outcome Application used by the Engineering Technology Faculty. (2014)
- ❑ Development of technology material for the PRISM grant at Savannah State University, 2011-2013
- ❑ Development of technology material for the STEM and STEM-360 grants at Savannah State University, 2011- present.
- ❑ Development of a Funding Management Application for the OSRA office at Savannah State University. (2007)

### **COMMUNITY INVOLVEMENTS**

- ❑ Faculty mentor of Richmond Hill Middle School STEM program (Samsung competition) to develop and implement a portable device (Arduino-based microcontroller) to help individuals with PTSD. The students' team won the national competition. May 2023
- ❑ Faculty mentor of Richmond Hill Middle School STEM program (Samsung Competition) to develop and implement a portable device (Arduino-based microcontroller) to help senior citizens suffering from Alzheimer's track their location by using GPS and GMS services. Feb 2022
- ❑ Faculty mentor of Richmond Hill Middle School STEM program (Samsung Competition) to develop and implement a bracelet device (Arduino-based microcontroller) to prevent individuals from touching their faces during the pandemic. Mar 2021
- ❑ Faculty mentor of Richmond Hill Middle School Beta Club Students (robotics team) to develop and implement a rover for Beta Club completion. Nov 2018

### **REFERENCES**

Available upon request