

# RONALD N LARSON

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## SUMMARY

A former IT Consultant with 28+ years of industry experience, and seven years of K-12 teaching experience, now teaching Computer Science, Artificial Intelligence, and Cybersecurity at the collegiate level to help foster the next generation of IT-aware professionals, while advancing curriculum and practice through educational leadership. Utilizes project-based learning, extensive industry experience, and culturally sensitive pedagogy to foster student success.

## EDUCATION

**University of Florida** Gainesville, FL

*Doctoral Student*, Curriculum and Instruction — Computer Science Education

**Florida State University** Tallahassee, FL

Master of Science, Computer Science Major (2005)

**University of Central Florida** Orlando, FL

Bachelor of Science, Information Systems Engineering Technology Major (1993)

**Brevard Community College** Cocoa, FL

Associate of Arts, General Education Major (1992)

Other:

**Tallahassee Christian College and Training Center** Tallahassee, FL

Master of Arts in Biblical Studies, Biblical Languages Major (2017)

## CERTIFICATIONS

**Computer Science (Grades K–12)**, Florida Department of Education

**Google Generative AI Leader**, Google Cloud (October 2025)

## SCHOLARSHIP OF TEACHING AND PRACTICE

**Florida Department of Education Standards Work**

Applied current pedagogical knowledge and technical expertise to contribute to the development and refinement of statewide K-12 Computer Science standards:

- \* Course Content Developer 9-12, Comp Science K-12 Standards Workgroup (2024)

- \* Facilitator, Florida Computer Science K-12 2026 Standards Overview Workshop (Summer 2024)

- \* Member, Computer Science K-12 Standards Workgroup (2023–2024)

**Curriculum Design & Application**

Applied principles from pedagogical professional development to enhance course design and effectiveness:

- \* Utilized Backward Design methodology following completion of “Strategic Planning Through Backward Design”, TSC professional development (Spring 2025) to redesign and streamline the COP1000 History of Computers and the Internet module, improving alignment between objectives, assessments, and learning activities.

- \* Created a 7<sup>th</sup> Grade Computer Science unit plan using the Understanding by Design development model entitled “Block Busters: Building and Fixing Our First App” aligned with Florida's State Academic Standards Computer Science 2024 as a course requirement for EDG6207 Transforming the Curriculum taken at the University of Florida.

**Evidence-Based Curriculum Development**

Developed new college-level Computer Science courses (CTS 1145 Cloud Essentials, COP 1047C Introduction to Python Programming, CNT1134C Networking Technologies) incorporating industry best practices and pedagogical principles such as project-based learning to foster student engagement and real-world readiness.

## EXPERIENCE

2024 – Present

**Tallahassee State College** Tallahassee, FL

Assistant Professor–Computer Programming, Applied Sciences & Technology Division

- \* Served as inaugural instructor for multiple key courses (CAI2100C, COP1047C, CTS1145, ISM3011) supporting new program launches in AI, Cloud, and Business Administration.

- \* Developed new Introduction to Python course (COP1047C) from scratch for Applied Artificial Intelligence AS degree track.

- \* Developed new Networking Technologies course (CNT1134C) from scratch for Computer Information Technology AS degree track.

- \* Leading ongoing revision efforts for core programming courses (COP1000, COP2221).

2020 – Present	<b>Educational Testing Service</b> Princeton, NJ Advanced Placement Reader (AP Computer Science Principles: 2020–2023; AP Research 2025) Constructed Response Rater (PRAXIS–Georgia, Instructional Technology: 2021–2023)
2018 – Present	<b>US Department of Defense</b> Arlington, VA Language Consultant, EF–0301–00, National Language Service Corps (NLSC), Defense Language and National Security Education Office (DLNSEO) * Provide language translation services and support to partner agencies and clients as needed.
2003 – Present	<b>Independent Information Technology Consultant</b> * Tallahassee Christian College & Training Center, Tallahassee, FL; <i>IT Support Consultant</i> (2015–2020) * Member agency Department of Homeland Security, Washington, DC and Remote; <i>Principal Software Engineer</i> (2012–2014) * oDesk Inc. – Assigned to Multicorpora R&D Inc., Remote; <i>Freelance Provider</i> (2008) * Cornerstone Software Services, Inc. – Assigned to Florida Department of Agriculture and Consumer Services, Tallahassee, FL; <i>Information Technology Consultant</i> (2007–2008)
2021 – 2024	<b>Florida State University</b> Tallahassee, FL
2004 – 2006	Computer Science and Cybersecurity Instructor, Florida State University Schools
2006 – 2006	IT Manager/Lead Developer, Ctr for Educational Research and Policy Studies, College of Education
	Instructor, Ofc of Science Teaching Activities, Dept of Bio Sciences, College of Arts and Sciences
2021	<b>Johns Hopkins University</b> Baltimore, MD Computer Science Instructor, CTY Online Programs
2017 – 2021	<b>St. John Paul II Catholic High School</b> Tallahassee, FL Technology Director and Computer Science Teacher
2008 – 2012	<b>Intergraph Corporation</b> Madison, AL Software Consultant, Critical Infrastructure & Protection (CIP) Business Unit, Security Government & Infrastructure Division
2006 – 2007	<b>Alltech Consulting Inc.</b> Tallahassee, FL Information Technology Consultant, Office of Information Systems, Florida Dept of Transportation
2001 – 2003	<b>Hummingbird USA Inc.</b> Tallahassee, FL Senior Software Engineer
1999 – 2001	<b>Datamaxx Applied Technologies, Inc.</b> Tallahassee, FL Senior Software Engineer
1997 – 1999	<b>Superior Technical Resources, Inc.</b> Palm Bay, FL
1995 – 1996	Sr Software Engr (Contractor), Northrop Grumman Corp.–Integrated Sys and Aerostructures Sector
1993 – 1995	Senior Software Engineer (Contractor), Harris Transcomm Division
	Senior Software Engineer (Contractor), Harris Air Traffic Control Systems Division
1996 – 1997	<b>Tech/AID</b> Longwood, FL Network Mgt. Monitor & Control Software Engr (Contractor), Engineering & Technical Services, Inc.
1991 – 1993	<b>Brevard Community College</b> Cocoa, FL Data Control Specialist
1992 – 1993	<b>Lockheed Space Operations Company</b> Kennedy Space Center, FL Special Project Developer (Senior Design Project for UCF College of Engineering)
1989 – 1990	<b>IBM Philippines, Inc.</b> Makati, Metro Manila, Philippines Coordinator – Information Center, Finance Division (Internship)
<b>COURSES / WORK-SHOPS TAUGHT</b>	<b>Collegiate Level:</b> <b>Tallahassee State College</b> Tallahassee, FL CAI 2100C Machine Learning Foundations (online; Sp25, Sp26) CGS 1060 Computer & Internet Literacy (in-person and online; Fa24, Fa25) COP 1000 Programming Concepts (in-person; Fa24, Sp25, Sp26) COP 1047C Introduction to Python Programming (online; Fa25) COP 2220 Introduction to Programming with C++ (online; Fa24) COP 2221 Intermediate C++ Programming (in-person and online; Fa24, Sp25, Fa25, Sp26)

CTS 1145 Cloud Essentials (online; Sp25, Sp26)

ISM 3011 Introduction to Management Information Systems (online; Fa24, Sp25, Fa25, Sp26)

**Florida State University** Tallahassee, FL

Introduction to Computer Programming Using C++ (face-to-face; 2006 Young Scholars Program)

### **K-12 Level:**

**Florida State University Schools** Tallahassee, FL

AP Computer Science A (in-person; Grades 9–12; 2022–2024)

AP Computer Science Principles (in-person; Grades 9–12; 2021–2022)

Cybersecurity Essentials, CompTIA Network+ (in-person; Grades 9–12; 2023–2024)

Computer & Network Security Fundamentals, CompTIA A+ (in-person; Grades 9–12; 2022–2024)

Information Technology Fundamentals, CompTIA ITF+ (in-person; Grades 9–12; 2021–2024)

**Johns Hopkins Center for Talented Youth** Baltimore, MD

Advanced Web Design (online; 2021)

Introduction to Python Programming for Middle School Students (online; 2021)

**St. John Paul II Catholic High School** Tallahassee, FL

AP Computer Science Principles (in-person, online, and hybrid; Grades 10–12; 2018–2021)

CSIT System Essentials (in-person, online, and hybrid; Grades 10–12; 2020–2021)

CSIT Network Systems (Independent Study; Grade 12; 2020–2021)

CSIT Cybersecurity (Independent Study; Grade 12; 2020–2021)

Introduction to Computer Hardware (in-person, online, and hybrid; Grades 9–12; 2019–2021)

Introduction to Computer Software (in-person, online, and hybrid; Grades 9–12; 2019–2021)

C++ Programming (Independent Study; Grade 12; 2018–2020)

Coding in Python (in-person; Grades 9–12; 2017–2018)

Computer Networking I and II (in-person; Grades 10–12; 2017–2019)

Executive Internship (in-person; Grade 12; 2018–2019)

Introduction to Computers (in-person; Grades 9–10; 2017–2019)

AP Computer Science A (in-person; 2017–2018)

**St. Louis Catholic Church** Tallahassee, FL

Sacrament of Confirmation Youth Formation (in-person, online, and hybrid; Grades 9–12; 2015–2023)

### **Adult Formation and Continuing Education:**

**St. Louis Catholic Church** Tallahassee, FL

Various Topics, RCIA/OCIA Adult Faith Formation (in-person; 2003–Present)

## **CONFERENCES & WORKSHOPS**

National Conference on AI, National Applied AI Consortium (NAAIC), Houston, TX; April 2025

Summer of AI Webinar Series, Pathfinders Summer Institute, Infosys Foundation, Online; August 2024

Disability Inclusion in K-12 CS Education, Pathfinders Summer Institute, Infosys Foundation, Online; August 2023

CSAwesome, Pathfinders Summer Institute, Infosys Foundation, Online; July 2023

Pilot Java Content AP Summer Institute AP Computer Science A, College Board, Online; July 2023

Future of Education Technology Conference, New Orleans, LA; January 2023

AI Professional Development to Practice Convening, UF College of Engineering, Gainesville, FL; October 2022

Bellevue APSI AP Computer Science A, College Board, Online; June 2022

Online APSI AP Computer Science Principles, College Board, Online; June 2020

APSI AP Computer Science Principles, College Board, Orlando, FL; June 2018

## **PROFESSIONAL DEVELOPMENT**

AWS AI Practitioner Faculty Training Workshop, NAAIC, Online; October - November 2025

Generative AI Leader Training and Certification Program, NAAIC, Online; October 2025

NVIDIA Fundamentals of Deep Learning Workshop, NAAIC, Houston, TX; April 2025

Microsoft Learn for Educators Foundational AI Bootcamp, NAAIC, Houston, TX; April 2025

## **GRANTS**

UTeach CS Principles SEED Grant, University of Texas–Austin (\$4500; 2020–2022)

Testout.com IT Certification Curriculum Grant, TestOut Corporation (\$5000; 2019–2020)

Computer Lab Equipment Grant, Brenthaven Corporation (\$400; 2019)

Technology Equipment Upgrade Grant, Internal–St. John Paul II Catholic High School (\$1100; 2018)

## **AWARDS & HONORS**

University of Florida, Harold and Bette Riker Scholarship for Incoming Graduate Students (Fall 2025)

Florida State University Schools, Rising Star–High School (2021)

Educational Testing Service, Certificate of Recognition (2020–2023, 2025)

Florida Dept of Education Division of K-12 Public Schools, K–12 Employee of the Month (Aug 2006)

Florida State University Office of Science Teaching Activities, Letter of Commendation (Jul 2006)

## **SERVICE CONTRIBUTIONS**

Faculty Innovation Champion, Tallahassee State College (2025-2026)

Member, Technology and Innovation Committee, Tallahassee State College (2025-2026)

Member, Curriculum Review Committees (Courses: CAI1001C, CAI2100C, CGS1060, COP2220, COP2221, ISM3011), Tallahassee State College (2024-2025)

Member, Textbook and Resource Selection Committees (Courses: CAI2100C, CGS1060, CNT1134C, COP1000, COP2220, COP2221, CTS1145, ISM3011), Tallahassee State College (2024-2025)

Volunteer Presenter/Representative (Applied Sciences & Technology Division Booth), Leon Works Expo 2025, Tallahassee, FL (Apr 2025)

Volunteer Presenter/Representative (Applied Sciences & Technology Division Booth), North Florida Worlds of Work Career Expo, Tallahassee, FL (Oct 2024, Oct 2025)

Volunteer Presenter/Representative (Cybersecurity Booth), 13th Annual Tallahassee Science Festival, Tallahassee, FL (Oct 2024, Nov 2025)

Computer Science Honor Society Sponsor, Florida State University Schools (2023–2024)

Esports Club Sponsor, Florida State University Schools (2021–2024)

Esports Club and Coding Club Sponsor, St. John Paul II Catholic High School (2017–2021)

Security Council Member, St. John Paul II Catholic High School (2017–2021)

Senior Retreat-Faculty Team Member, St. John Paul II Catholic High School (2018)

Assistant Football Coach, St. John Paul II Catholic High School (2017–2019)

## **PROFESSIONAL MEMBERSHIPS**

Computer Science Teachers Association

National Language Service Corps

## **LANGUAGES**

**Proficient:** Filipino (Tagalog)

**Familiarization:** Chinese (Mandarin) (localization), Arabic (reading and localization)

**Academic Study:** Biblical Hebrew (1 semester), New Testament Greek (5 semesters), Russian (2 semesters), Japanese (2 semesters)