

RONALD N LARSON

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

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 7th 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	Educational Testing Service 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	US Department of Defense 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	Independent Information Technology Consultant * 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	Florida State University 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	Johns Hopkins University Baltimore, MD Computer Science Instructor, CTY Online Programs
2017 – 2021	St. John Paul II Catholic High School Tallahassee, FL Technology Director and Computer Science Teacher
2008 – 2012	Intergraph Corporation Madison, AL Software Consultant, Critical Infrastructure & Protection (CIP) Business Unit, Security Government & Infrastructure Division
2006 – 2007	Alltech Consulting Inc. Tallahassee, FL Information Technology Consultant, Office of Information Systems, Florida Dept of Transportation
2001 – 2003	Hummingbird USA Inc. Tallahassee, FL Senior Software Engineer
1999 – 2001	Datamaxx Applied Technologies, Inc. Tallahassee, FL Senior Software Engineer
1997 – 1999	Superior Technical Resources, Inc. 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	Tech/AID Longwood, FL Network Mgt. Monitor & Control Software Engr (Contractor), Engineering & Technical Services, Inc.
1991 – 1993	Brevard Community College Cocoa, FL Data Control Specialist
1992 – 1993	Lockheed Space Operations Company Kennedy Space Center, FL Special Project Developer (Senior Design Project for UCF College of Engineering)
1989 – 1990	IBM Philippines, Inc. Makati, Metro Manila, Philippines Coordinator – Information Center, Finance Division (Internship)
COURSES / WORK-SHOPS TAUGHT	Collegiate Level: Tallahassee State College 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

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

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)