

John Gordon

Curriculum Vitae

Program Manager, SCI-HUM Research Initiative
Scientific Computing & Imaging Institute (SCI)
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EDUCATION

University of Utah, Ph.D. Candidate, College of Humanities, Department of Writing & Rhetoric Studies	2025
University of Utah, MS, Information Systems	2020
University of Utah, GC, Business Analytics	2020
University of Utah, BA, English	2018
Weber State University, BS, Computer Science	1994
Community College of the Air Force, AS, Construction Technology	1988

RESEARCH AREAS

Code Studies • Natural Language Processing (NLP) • Generative AI • Data Analytics • Data Visualization •
Software Engineering • Programming Languages • History of Computing

ACADEMIC APPOINTMENTS

2023 – 2024	University of Utah, Adjunct Instructor, Department of Rhetoric & Writing Studies
2021 – 2024	University of Utah, Adjunct Instructor, David Eccles School of Business, Information Systems Department
2023 – 2024	University of Utah, Adjunct Instructor, Khalert School of Computing
2021 – 2022	University of Utah, Graduate Teaching Assistant, Department of Rhetoric & Writing Studies
2021 – 2022	Salt Lake Community College, Adjunct Instructor, Department of English, Linguistics & Writing Studies
2018 – 2022	Salt Lake Community College, Assistant Professor (Tenure Track), Computer Science & Information Systems Department

TEACHING

University of Utah

2023	CS-(COMP)-1010	Programming for All I (Python)
2023	IS-4430	Systems Analysis & Design
2023	WRTG-3025	Code Studies
2021	IS-2492	Databases for Business
2021 – 2022	WRTG-2010	Intermediate Writing

Salt Lake Community College

2022	CSIS-1600	C++ Programming
2022	ENGL-2010	Intermediate Writing

2021	CSIS-2060	Decisions Support Systems
2021	ENGL-1010	Introduction to Writing
2021	ENGL-2100	Technical Writing
2020 – 2021	CSIS-2420	Algorithms & Data Structures
2020 – 2021	CSIS-2450	Software Engineering
2019 – 2020	CSIS-1032	Introduction to Linux
2020	CSIS-1132	Linux System Administration I
2020	CSIS-1400	Fundamentals of Programming (Java)
2020	CSIS-2132	Linux System Administration II
2019 – 2020	CSIS-1410	Object-Oriented Programming (Java)
2019 – 2020	CSIS-2000	Co-Op Education
2019	CSIS-1340	Introduction to Programming (Python)

PEDAGOGY

2023	Pending: <i>Programming for Humanities</i> : Conceptualized and proposed course to the College of Humanities, designed syllabus, course content, and Canvas course materials. Constructed application materials for Humanities Foundations (HF) General Education designation. Pending curriculum approval.
2023	WRTG-3025: <i>Code Studies</i> : Conceptualized and proposed course to the Department of Writing & Rhetoric Studies, designed syllabus, course content, and Canvas course materials. Constructed application materials for Upper Division Writing/Communication (CW) General Education designation. Received full curriculum approval and first course offering Fall 2023.
2021	IS-2492: <i>Databases for Business</i> : Designed syllabus, course content, and Canvas course materials for this course.

ACADEMIC SERVICE

2020 – 2022	Salt Lake Community College, Business School Curriculum Committee, Committee Member, CSIS Department Representative
2020 – 2022	Salt Lake Community College, CSIS Department Curriculum Committee, Committee Member
2019 – 2020	Salt Lake Community College, Business Management Department, Data Analytics & Business Intelligence Certificate Program Committee, Committee Member
2018 – 2022	Salt Lake Community College, Industry Guest Speaker Series, Series Creator & Faculty Coordinator
2018 – 2019	University of Utah, David Eccles School of Business, Veteran Ambassador

FACULTY DEVELOPMENT & TRAINING

2020 – 2021	Salt Lake Community College, President's Leadership Institute
2020 – 2021	Scholarship of Teaching & Leadership (SOTL) Fellowship. Funded Project: Connecting Course Objectives to Industry Job Requirements via Backward Design Principles
2019 – 2022	SLCC Writing Across the Curriculum (WAC) Faculty & Staff Writing Group
2020	Association of College and University Educators (ACUE) Effective Teaching Certification
2019	Canvas User Certification Course
2019	Online Teacher Certification Course

PUBLICATIONS

2024	Forthcoming: <i>Introduction to Code Studies</i>
2023	Python Programming, 2 nd Edition, Self-Published eBook. ©2023

- 2021 *Introduction to Writing in Computer Science*, Book Chapter, Creative Commons Textbook, *Technical Writing at Salt Lake Community College*. Department of English, Linguistics & Writing Studies. ©2021
- 2021 *Python Programming*, Self-Published eBook. ©2021
- 2020 *Java Programming*, Self-Published eBook. ©2020
- 2019 *SQL Programming*, Self-Published eBook. ©2019

ACADEMIC PUBLICATIONS

- 2023 Southwest Popular American Culture Association Conference, Albuquerque, NM. Presentation: *Perspectives of Code Studies*.
- 2023 Arizona State University Composition Conference, Virtual, Presentation: *Perspectives of Code Studies*.
- 2021 Southwest Popular American Culture Association Conference, Virtual, Presentation: *Writing Across a STEM Career*.
- 2020 4th Annual Teaching for Learning Conference, Brigham Young University, UT. Presentation: *Cross-Discipline Applications of Python Programming for Non-Technical Students*.
- 2020 Computer Science & Information Systems Computing Club, Salt Lake Community College, UT. Presentation: *Linux for Software Development*.
- 2020 Computer Science & Information Systems Computing Club, Salt Lake Community College, UT. Presentation: *Git & GitHub for Students*.
- 2018 Southwest Popular American Culture Association Conference, Albuquerque, NM. Presentation: *Schizotypal Disorder in Jackson's Castle*.

MILITARY SERVICE

- 1979 – 1992 United States Air Force (USAF) activity duty, honorably discharged at the rank of E-6 Technical Sergeant. Gulf War Veteran. Served in the positions of Law Enforcement Officer, Emergency Medical Technician (EMT), Engineering Assistant, NCO Leadership School Instructor and Non-Commissioned Officer in Charge (NCOIC) Civil Engineering, Engineering Assistant Department.

INFORMATION SYSTEMS INDUSTRY EXPERIENCE

- 1984 – 2022 Over the course of these years, I held key positions with local, national, and international organizations in the commercial, non-profit, and government sectors as a computer professional, including the United States Air Force, United Way, US District Court District of Utah, Franklin Capital Corporation, 1-800 Contacts, Transportation Insight, Siskin Enterprises, University of Utah, Global Drug Testing Laboratories, Complete Recovery Corporation, Extraspace Management, and Eide Bailly. My primary roles within these organizations included Chief Information Officer (CIO), Chief Technology Officer (CTO), Senior Database Administrator (DBA), Senior Software Engineer, Senior Systems Administrator, Senior Data Engineer, Data Analytics Consultant, Business Intelligence Developer, and Software Development Manager.

COMPETENCIES

Professional Skills and Strengths: Results-driven, analytical, research methods, pedagogical methods, exceptional communication skills, business & technical writing, project, resource & personnel management, key performance indicator development, supervision, budgeting, presenting, speaking, teaching, training, mentoring, consulting, analysis, and project management. Balanced and equally capable to work independently or as a member of a team. Highly adept and experienced with the professional use of social media platforms. Photographer and videographer, photo & video shooting & editing. Long-term experience with Microsoft Office and Adobe Cloud applications.

Technologies: Databases: SQL Server and its tools: SSMS, SSIS, SSRS, SSAS, BI, SSDT, MDS, ETL, SMO. MSSQL, MySQL, AWS (Aurora, DynamoDB, RDS), Azure, PostgreSQL, SQLite, MongoDB, legacy DBs. Database installation, configuration, security, auditing, replication, performance tuning, optimization, profiler, backup, restore, and disaster preparation/recovery, design, analysis, business intelligence, stored procedure programming, query writing, and optimization, data migrations, normalization, validation, job automation, and administration. Data Engineering: ingestion, multi-tenancy, extract, load, transform, cloud, on-prem, analytics, dashboarding, reporting (Tableau, PowerBI). Software Development: data-driven application and web programming in .Net, ASP.Net, C, C++, C#, Java, Javascript, PHP, Python, PHP, R, CSS, HTML, XML. Full stack development, project lifecycle, OOP, CI/CD, source control (Git), new applications, feature additions, code maintenance and enhancements, refactoring, security, testing, encryption, automation, documentation, and training.

Systems: Administration, Windows, Macintosh and Unix/Linux desktop & server operating systems, cloud computing (AWS, Azure, Google, Snowflake), (L)(W)(M)AMP, IIS & Apache web servers, VPN, virtual servers, remote control, process automation, network design, construction and maintenance, extensive hardware knowledge, operating system and software upgrades, updates, backups, anti-virus and disaster recovery.