John Gordon
Curriculum Vitae

Program Manager, SCI-HUM Research Initiative

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EDUCATION

University of Utah, Doctoral Candidate, Writing & Rhetoric Studies	2025
University of Utah, MS, Information Systems	2020
University of Utah, GC, Business Analytics	2020
University of Utah, BA, English	2018
Community College of the Air Force, AS, Construction Technology	1988

DOCTORAL RESEARCH AREAS

Code Studies • Natural Language Processing (NLP) • AI Tooling • 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, Kahlert 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

2024	BCOR-2020	Frameworks for Business Problems
2024	HUM-1600	Programming for Humanities (Python)
2024	IS-2487	Beginner Python
2024	WRTG-3025	Code Studies
2023	BCOR-2020	Frameworks for Business Problems

2023	IS-4430	Systems Analysis & Design
2023	WRTG-3025	Code Studies
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)

CURRICULUM DEVELOPMENT

2023	University of Utah: HUM-1600 *Programming for Humanities* (Python): 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.
2023	University of Utah: WRTG-3025: *Code Studies*: 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	University of Utah: IS-2492: *Databases for Business*: Designed syllabus, course content, and Canvas course materials for this course.
2021	Salt Lake Community College: Developed a proposed Associate of Science (AS) in Analytics degree program, including a five-course series, for the School of Business.
2021	Salt Lake Community College: Member of a team of faculty who redesigned CSIS-2420: *Algorithms & Data Structures* course. I contributed significantly to revisions to the curriculum, Canvas course structure, homework, quizzes, and tests for the course.
2019	Salt Lake Community College: CSIS-1340: *Python Programming*. 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	*Collaborative Research with ChatGPT*. TechGenEd: Teaching with Text Generation Technologies. Writing Across the Curriculum (WAC) Clearinghouse, Colorado State University.
2024	*Programming Across Disciplines with Python + AI Tools*. Cascade Street Publishing.
2021	*Introduction to Writing in Computer Science*, Book Chapter, Creative Commons Textbook, Technical Writing at Salt Lake Community College. Department of English, Linguistics & Studies.
2021	*Python Programming*, Self-Published eBook.
2020	*Java Programming*, Self-Published eBook.
2019	*SQL Programming*, Self-Published eBook.

PRESENTATIONS

2024	Re-Connecting: RSA Madison Spring Symposium, Virtual, University of Wisconsin-Madison. Presentation: *Back to Basics: Applying Aristotelian Foundations to the Study of Digital Artifacts.*
2024	Conference on College Composition & Communication, Spokane, WA. Presentation: Panel Member: *Abundance Call for Boundaries: Examining the Social Implications of Inviting AI to the Conversation about Composition*. Paper: *Code Studies and AI: Redefining Composition, Literacy, and Access in the Digital Age*.

2024	Digital Teaching Symposium, University of Utah, UT. Presentation: *Collaborative Research with ChatGPT.*
2024	Utah Data Science Day 2024, University of Utah, UT. Presentation: *Sense: A Platform for Extracting, Analyzing, and Visualizing Relationships in Historical Records.*
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.

COMPUTING INDUSTRY EXPERIENCE

1984 – 2024	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, Extra Space Management, Eide Bailly, and the Scientific Computing & Imaging Institute at the University of Utah. 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 & and technical writing, project, resource & and personnel management, key performance indicator development, supervision, budgeting, presenting, speaking,

teaching, training, mentoring, consulting, analysis, and project management. Balanced and equally capable of working independently or as a member of a team. Highly adept and experienced with the professional use of social media platforms. Photographer and videographer, photo & and video shooting & and 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 & and 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.