

Spencer Hilton

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Academic Experience

Associate Teaching Professor, Jul 2020 - Present

Information Systems, Marriott School of Business, Brigham Young University, Provo, Utah, USA

Department Chair, Jul 2018 – Jun 2020

School of Computing, Weber State University, Ogden, Utah, USA

- *Supervised ~1200 majors and 33 employees (28 Faculty, 5 Staff) in 3 programs (Computer Science, Network Management Technology, and Web & User Experience)*

Computer Science Program Coordinator, Jul 2016 – Jun 2018

School of Computing, Weber State University, Ogden, Utah, USA

- *Ran the Computer Science program in the School of Computing*
- *Responsibility for building the Class Schedules each semester*

Instructor / Assistant Professor, Jan 2008 – Present

School of Computing, Weber State University, Ogden, Utah, USA

Adjunct Instructor, Jan 2005 – Dec 2007

Computer Science, Weber State University, Ogden, Utah, USA

Education

Master of Business Administration, May 2007

Weber State University, Ogden, Utah, USA

B.S. in Computer Science, Dec 2011

Weber State University, Ogden, Utah, USA

B.A. in Communication / Public Relations, May 2003

Weber State University, Ogden, Utah, USA

Certifications

Masters Certificate, Computer Systems & Security, Fall 2009

Colorado State University, Fort Collins, Colorado, USA

Master of Online Teaching Certificate, Spring 2013

Weber State University, Ogden, Utah, USA

Professional Experience	<p>Business Intelligence Analyst / Data Specialist, Feb 2006 – Dec 2007 MarketStar Corporation, Ogden, Utah, USA</p> <p>Software Engineer, Feb 1999 – Feb 2006 TrakMate, LLC, Layton, Utah, USA</p>
Teaching Experience	<p><u>Brigham Young University</u> IS 201 – Introduction to Management Information Systems IS 402 – Database Systems IS 413 – Enterprise Application Development IS 405 / 562 – Project Management</p> <p><u>Weber State University</u> CS 1010 – Introduction to Interactive Entertainment CS 1030 – Foundations of Computing CS 1400 – Fundamentals of Programming (Java) CS 2400 – Project Management CS 2550 – Introduction to Database Design and SQL CS 2705 – Networking Fundamentals and Design CS 3630 – Client-Side Frameworks CS 3750 – Software Engineering II</p>
Honors / Awards	<p>BYU Marriott Student Centered Impact Award April 2023</p> <p>Presidential Teaching Excellence Award, Weber State University, April 2020</p>
Software Experience	<p>Programming: Java, C#, ASP.NET, Visual Basic, C++, C, JavaScript, React, Python, Objective-C, Assembly, PHP, Visual Studio, VS Code, Eclipse, NetBeans, SQL, Oracle, Microsoft SQLServer, MySQL, HTML, CSS, JQuery, Microsoft Excel, VBA, Tableau</p>
Professional Membership	<p>Association for Information Systems ACM SIGCSE (2013 – 2020)</p>
Service Activities	<p><u>Brigham Young University</u></p> <ul style="list-style-type: none"> ○ AIS Faculty Advisor, 2023 - Present ○ ISD Curriculum Committee Chair, 2022 - 2023 ○ ISD Curriculum Committee, 2021 – Present ○ BSIS Admissions Committee, 2020 – Present

- MISM Admissions Committee, 2021 - Present

Weber State University

- Department Chair, School of Computing, 2018 – 2020
- Computer Science Program Coordinator, 2016 - 2018
- USHE Computer Science Major Committee, 2016 – 2020
- Ogden-Weber Technical College CS Industry Advisory Board
- Weber State University Salary, Budgets, Benefits, and Fiscal Planning Committee, 2017 – Present
- Weber State University Curriculum Committee, 2013-2017
- WSU College of Engineering Curriculum Committee, 2013 - 2018
- Computer Science Industry Advisory Committee (Chair), 2015 - 2019
- Computer Science Scholarship Committee, 2008 – 2020
- Computer Science Curriculum Committee, 2018 – 2020
- Computer Science Lab Committee, 2018 – 2020
- Computer Science Robocode Committee, 2017 – 2019
- Various Hiring, Tenure, Peer Review, and other Committees

Publications

Ball, R., DuHadway, L., Rague, B., Hilton, S. "**GUI-Based vs. Text Based Assignments in CS1**" ACM SIGCSE (Special Interest Group in Computer Science Education), Baltimore, MD. (February 2018)

Hilton, S., Rague, B. "**Is Video Feedback More Effective than Written Feedback?**" Proceedings of the IEEE Frontiers in Education Conference (FIE), El Paso, TX (October 2015). Chaired paper session.

Anderson, G., Hilton, S. "**Increase Team Cohesion by Playing Cooperative Video Games**", CrossTalk, Edition Jan/Feb 2015, Volume 28, Issue Jan/Feb 2015, Pages 5, U.S. Department of Defense, HAFB Layton, UT, 2015.

Anderson, G., Ferro, D., Hilton, R. (2008). *Connecting with Computer Science* (2nd Ed.) Boston, MA. Cengage Learning.

- Wrote "The Lighter Side of the Lab by Spencer" Chapter Forewords

Anderson, G., Ferro, D., Hilton, R. (2005). *Connecting with Computer Science*. Boston, MA. Cengage Learning.

- Wrote "The Lighter Side of the Lab by Spencer" Chapter Forewords

Presentations

Panelist, Northern Utah STEM Career and College Expo
Layton, UT (November 2019)

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Layton, UT (November 2018)

“Is Video Feedback More Effective than Written Feedback?”

Frontiers in Education Conference (FIE), El Paso, TX (October 2015).

“Flipping the Classroom”, Teaching and Learning Conference, Weber State University, Ogden, UT (April 2013)

Grants

Carl B. Perkins Technology Grant, **“CS Gaming Camp for High School Students (2019)”**, \$9,684, 2020-2021

Dee Family Technology Grants, **“Microsoft Hololens use as a Vehicle Electrical System Diagnostic Tool”**, \$3,000, 2019-2020

Carl D. Perkins Technology Grant, **“CS Gaming Camp for High School Students (2020)”**, \$9,684, 2019-2020

Academic Resources and Computing Committee Grant, **“Wacom Tablets for Computer Science Classrooms”**, \$6,834, 2015-2016

Hemingway Faculty Vitality Grant, **“Paper Presentation at Frontiers in Education Conference (El Paso, TX Oct 21-24, 2015)”**, \$2,360, 2015-2016