

# 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

<b>Professional Experience</b>	<p><b>Business Intelligence Analyst / Data Specialist, Feb 2006 – Dec 2007</b> MarketStar Corporation, Ogden, Utah, USA</p> <p><b>Software Engineer, Feb 1999 – Feb 2006</b> TrakMate, LLC, Layton, Utah, USA</p>
<b>Teaching Experience</b>	<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>
<b>Honors / Awards</b>	<p>Presidential Teaching Excellence Award, Weber State University, April 2020</p>
<b>Software Experience</b>	<p>Programming: Java, C#, ASP.NET, Visual Basic .NET, C++, C, JavaScript, Python, Objective-C, Assembly, PHP, Visual Studio, Eclipse, NetBeans, SQL, Oracle, Microsoft SQLServer, HTML, CSS, JQuery, Microsoft Excel, VBA, Tableau</p>
<b>Professional Membership</b>	<p>Association for Information Systems ACM SIGCSE</p>
<b>Service Activities</b>	<p><u>Brigham Young University</u></p> <ul style="list-style-type: none"> <li>○ AIS Faculty Advisor (Winter 2023)</li> <li>○ ISD Curriculum Committee Chair, 2022 - 2023</li> <li>○ ISD Curriculum Committee, 2021 – Present</li> <li>○ BSIS Admissions Committee, 2020 – Present</li> <li>○ MISM Admissions Committee, 2021 - Present</li> </ul>

### 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)

**Panelist, Northern Utah STEM Career and College Expo**  
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