

## H. James de St. Germain

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### OFFICE

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|--------------------------------|--------------------------------|--|
| <b>Professional Experience</b> | <b>2019-present</b>            | Professor, Lecturing,<br>School of Computing, Utah   |
|                                | <b>2005-present</b>            | Director of Undergraduate Studies, SoC, Utah   |
|                                | <b>2012-2019</b>               | Associate Professor, Lecturing, SoC Utah   |
|                                | <b>2005-2012<br/>2005</b>      | Assistant Professor, Clinical, SoC, Utah<br>Consulting – Visual Influence  |
| <b>Professional Service</b>    | <b>2006-present</b>            | USHE College of Engineering Articulation Committee<br>School of Computing Curriculum Committee                                       |
|                                | <b>2014-2021</b>               | School of Computing Executive Committee  |
|                                | <b>2008-2021</b>               | College of Engineering Curriculum Committee Chair<br>UofU Curriculum Policy Review Board Committee<br>UofU Curriculum Fees Committee |
|                                | <b>2006-2016<br/>2006-2012</b> | Web Learning System Administrator and Promoter<br>School of Computing Scholarship Committee  |
| <b>Education</b>               | <b>2002</b>                    | Ph.D., Computer Science, University of Utah, School of Computing   |
|                                | <b>1991</b>                    | Bachelors of Science, Computer Science, New Mexico State University  |
| <b>Honors</b>                  | <b>2005-present</b>            | Numerous Top 15% in Course Evaluations   |
|                                | <b>2007-2008</b>               | Outstanding Teaching Award, University of Utah, SoC  |
|                                | <b>2005-2006</b>               | Honorable Mention, Outstanding Teaching Award, SoC   |
| <b>Presentations</b>           | <b>2010</b>                    | Ghost Interruptions - A Digital Dance Animation Performance  |
|                                | <b>2008</b>                    | Taught a week long workshop on ActionScript programming for the Utah State Office of Education.                                      |

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| <b>Teaching</b>          | <b>2005-present</b> | <b>Sample Courses Taught</b><br>CS 1000 – Engineering Computing<br>CS 1410 – Intro to Comp Sci (Entertainment Arts Emphasis)<br>CS 1960 – Freshmen Symposium<br>CS 2420 – Algorithms and Data Structures<br>CS 3500 – Software Practice I<br>CS 3505 – Software Practice II<br>CS 4540 – Web Software Architecture<br>CS 4000, 4500 – Senior Capstone Design/Project<br>ME EN 1010 - Intro to Robotic System Design (Co-Taught) |
|                          | <b>2003-2005</b>    | Instructor Exercise and Sports Fitness – Ultimate Frisbee   |
| <b>Research</b>          | <b>2000-2005</b>    | Research Scientist, University of Utah<br>Geometric Design and Computation Group  |
|                          | <b>1994-1999</b>    | Research Assistant, University of Utah<br>Computer Vision Group   |
| <b>Community Service</b> | <b>2018-present</b> | Coach – Middle School Ultimate Frisbee  |
|                          | <b>2010-2018</b>    | Coach – Boys Competitive Soccer, U6 →U13  |
|                          | <b>1992-2004</b>    | Coach – Boys Competitive Soccer, U7→U18   |
| <b>Publications</b>      |                     | Suraj R. Musuvathy, David E. Johnson, H.J. de St. Germain, Elaine Cohen, Chimiao Xu, Richard F. Riesenfeld, and Thomas C. Henderson, "Integrating Multiple Engineering Resources in a Virtual Environment for Reverse Engineering of Mechanical Parts", ASME IDETC 2005.  |
|                          |                     | Rajesh Subramanian, H.J. de St. Germain, and Samuel Drake, "Integrating a Vision System with a Coordinate Measuring Machine to Automate the Datum Alignment Process", ASME IDETC/DAC 2005.  |
|                          |                     | H. J. de St. Germain, D. E. Johnson, and Elaine Cohen, "Integrating Freeform and Feature-Based Fitting Methods", Design Engineering Technical Conference 2004   |
|                          |                     | W.B. Thompson, J.C. Owen, H.J. de St. Germain, Stevan R. Stark, and T.C. Henderson, "Feature-Based Reverse Engineering of Mechanical Parts," <i>IEEE Transactions on Robotics and Automation</i> , 15(1), February 1999.  |
|                          |                     | H.J. de St. Germain, S.R. Stark, W.B. Thompson and T.C. Henderson, "Constraint Optimization and Feature-Based Model Reconstruction for Reverse Engineering," <i>Proceedings of the DARPA Image Understanding Workshop</i> , May 1997.   |
|                          |                     | W.B. Thompson, H.J. de St. Germain, T.C. Henderson, and J. C. Owen, "Constructing High-Precision Geometric Models from Sensed Position Data," <i>Proceedings of the ARPA Image Understanding Workshop</i> , February 1996   |
|                          |                     | J.C. Owen, H.J. de St. Germain, S. Stark, T.C. Henderson and W.B. Thompson, "Calibrated Imagery for Quantitative Evaluation of IU Pose-Estimation and Stereo Algorithms," <i>Proceedings of the ARPA Image Understanding Workshop</i> , February 1996.  |

Calderwood et Al, "First Progress Report of Keypush Timing Group", NMSU-TR-91.CS-06, 1991

H. J. de St. Germain, and H. D. McCoy, "User Identification Through the Use of Classification Statistics and a Hamming-like Distance Measure", Internal Technical Report, 1991