Alhazi, B. “Information Systems Migration as an

 Optimization Problem: Case Studies on Refactoring

 Model Transformations”, (Committee Member – PhD

 Candidate 2017).

Wang, H., “An Automated Refactoring Framework for Web

 Services”, PhD Dissertation,(Committee Member –

 completed December 2017).

Dea, T., “Interactive Search-based Software Engineering

 Using Machine Learning and Computational Search: Case

 Studies on Software Maintenance and Evolution”, PhD

 Dissertation,(Committee member – completed July

 2017).

Haider, K., “Intelligent Gender Identification Using

 Diverse Facial Features in Different Conditions”, PhD

 Dissertation, University of Engineering & Technology,

 Taxila, (External Reviewer – completed July 2017).

Maqsood, M., “Quranic Recitation Pronunciation Modeling and

 Analysis”, PhD Dissertation, University of

 Engineering & Technology, Taxila, (External Reviewer

 – completed April 2017).

Javid, A., “Event Driven Video Summarization for Sports”,

 PhD Dissertation, University of Engineering &

 Technology, Taxila, (External Reviewer – completed

 November 2016).

Mansoor, U., “Detection, Merging, and Recommendation of

High-Level Changes Using Multi-Objective

Optimization”, PhD Dissertation, (Committee Member –

completed November 2016).

Sahin, D., “Search-Based Software Refactoring: A Multi-

Level Framework”, PhD Dissertation, (Committee Member

– completed October 2016)

Mkaouer, M., “Balancing Competing Needs of Machine and

 Human in Search-Based Software Engineering”, PhD

 Dissertation, (Committee Member – completed April

 2016).

Petrenko, M. “Managing Program Dependencies in Software

 Evolution”, PhD Dissertation, Wayne State University,

 (Committee Member – completed, October 2009).

Fife, B. "Students’ Concept Patterns Revealed by Computer

 Analysis of Language-Constrained Science Concept

 Maps", EdD Dissertation Committee, Educational

 Technology Program, University of Michigan, Ann Arbor.

 (Committee Member - completed August 1997).

Balkany, A. "The Flexible Construction of Knowledge Systems

 with the Domain-Independent Design System (DIDS)",

 PhD Dissertation Committee, Electrical Engineering and

 Computer Science Department, University of Michigan,

 Ann Arbor (Committee Member – PhD Candidate, 1994).

Runkel, J. "Generating Non-Brittle Model-Based Knowledge-

 Acquisition Tools", PhD Dissertation Committee,

 Electrical Engineering and Computer Science

 Department, University of Michigan, Ann Arbor

 (Committee Member – PhD Candidate, 1994).

Necovski, J., “Game Creation Environment”, UMD CIS,

 (Advisor – expected December 2018).

Skaf, H., “Dimensionality Reduction of Quality Objectives

 for Web Services Modularization”, (MS Committee

 Member – completed May 2018).

Rajendra, V. “Characterization and identification of

 distraction during naturalistic driving using wearable

 a non-intrusive physiological measure of Galvanic Skin

 Responses”, (MS Committee Member – completed March

 2018).

Wang, B. “An Empirical Evaluation of Algorithms for

 Computing Equilibria in Games for Approximate

Inference in Large Dimensional Probabilistic Graphical

 Models”, (MS Committee Member – completed November

 2017).

Melville, A. “An Automatic System for Characterization

 and Detection of Ocular Noise”, (Committee Member –

completed April 2017).

Hassouna, T. “Detection of Web Service Refactoring

 Opportunities by Example”, (Committee Member –

completed December 2016).

Tama, N. “Scheduling of Refactoring Opportunities Using

Computational Search”, (Committee Member –

completed December 2016).

Shahzadi, S., “Unified Agile Testing Framework for Mobile

 Applications”, University of Engineering & Technology,

 Taxila, (Co-Adviser – completed August 2016).

Weiss, B., “Examining the Relationship Between Age and

Instrument Cluster Design Preference”, IMSE UMD,

(Committee Member – completed August 2016).

Nemala, V., “Model Transformation Testing: A Bi-level

Search-Based Software Engineering Approach”, CIS UMD,

(Committee Member – completed April 2015).

Boyina, R., “On the Use of Quality Attributes for Software

Refactoring, CIS UMD, (Committee Member – completed

December 2014).

Namburu, S., November 2014, “Detection of High-level Model

Changes as a Multi-Objective Optimization Problem, CIS

 UMD,(Committee Member – completed November 2014).

Alnofal, M. “Model Merging as a Multi-Objective Problems”,

 CIS UMD, (Committee Member - Completed January 2014).

Varadajan, A. “Design and Implementation of an Efficient

 Learning Tool for Pen Based Devices”, CIS UMD,

 (committee Member - Completed May 2006).

Lamba, A. "Design of Corporate Networks", Masters Thesis

 Chair,(Candidate, 2002).

Crossman, J. "Advanced Signal-Based Diagnostics for

 Vehicle Fault Detection", CIS UMD, (committee Member –

 Completed August,2000).

Tanaka, M. “TCP vs UPP for Gaming Network”, CIS 695,

 Summer 2018.

Houren, S. “Dr. Mortimer’s Motel of Terror”, CIS 695,

 Winter 2018.

Meyers, A. “Developing AI for 2d side-scroller”, CIS 695,

 Winter 2018.

Sisk, J. “User Experience Design for 2d side-scroller”, CIS

 695, Winter 2018.

 York, P. “Method of Visualizing Four Dimensional Objects”, CIS 695, Summer 2017.

Kaur, R. “Testing Using Cyara Automated Testing Tool”,

 CIS 695, Winter 2017.

Kodali, S., “Food Finder: Calorie-Driven Customized Food

 Ordering System, CIS 695, Winter 2017, (K. Akingbehin,

 chair).

Mullins, N. “A/B Testing of the Process Improvement Game”,

 CIS 695, Winter 2017.

Randhawa, R. “Reconfigurable Online Retail Store”, CIS 695,

 Winter 2017, (K. Akingbehin, chair).

Klanderman, J., “3D Virtual Reality Framework for Mobile

 Devices”, CIS 695, Summer 2016,

Sandoval, F., “Unreal 4 to Embedded System Blueprint”,

 CIS 695, Winter 2016.

Smith, E., “Moon Fright”, CIS 695, Winter 2016.

Palmer, N., “Worldtrak Contract Manager”, CIS 695,

 Fall 2015.

Wegner, B., “Design and Implementation of a Corporate

 Management Reporting Information System”, CIS 695,

 Fall 2015.

Schroeder, B., “Natural Language Query Reporting”, CIS

 695, Fall 2014.

Fielden, M. “Android OCR App for Check Splitting”, CIS 695,

 Winter 2014.

Joyce, J. “Design of Game AI for Cyber Stalking Game”,

 CIS 695, Winter 2014.

Holbert, B. “Defense Mentor”, CIS 695, Fall 2013.

Wong, I. “Web System”, CIS 695, Fall 2013.

Chung, K. “Kick Brick Game”, CIS 695, Summer 2013.

Ellis, M. “Network Configuration Tool”, CIS 695, Summer

 2013.

Sabada, J. “CIS Lab Administration Software”, CIS 695,

 Summer 2012.

Moilanen, D. “Geo-Tag Visualization”, CIS 695, Winter 2012.

Habib, P. “Accushade iPhone Mobil Formula Retrieval System

 Application”, CIS 695, Winter 2011.

Crowder, C. “Virtualization of the AGN Network “, CIS 695,

 Fall 2010.

Sable, M. “3D Game Combat System”, CIS 695, Fall 2010.

Wilkins, P. “Tile-based Game Map Editor”, CIS 695,

 Fall 2009.

Dutton, M. “Case Study on Project Lead Experience”,

 CIS 695, Fall 2009.

Miller, J. “HabuNetwork: A Real Time Network Engine for

 Three Dimensional Simulations”, CIS 695, Fall 2009.

Reterstorf, M. R. “Continuous Improvement and Cost

 Reduction”, CIS 695, Summer 2009.

Martineau, N. “Intelligent Tutoring System for Immersive

 Game Environment”, CIS 695, Fall 2008.

Myers, C. “CSS Structural Analysis Ruleset Visualizer”,

 CIS 695, Fall 2008.

Haddad, O. “Automated Process Area to CMMI Levels”,

 CIS 695, Summer 2008.

Watson, J. “Scoreboard Video Graphics”, CIS 695,

 Summer 2008.

Nelson, K. “A Comparison of the Nintendo GameCube TDEV vs.

 Microsoft XBOX 360 XNA Development Systems”, CIS 695,

 Fall 2007.

Schmoll, J. “An In-Depth Evaluation of the Microsoft XNA

 Development Middleware and XNA Creators Club”,

 CIS 695, Fall 2007.

Beehler, R. “Automatic Tester”, CIS 695, Summer 2007.

Hammill, J. “Networked Game Design”, CIS 695, Winter 2007.

Lee, P. “Web-Based Learning System”, CIS 695, Winter 2007.

Afinni, Y. “Document Management System Software Process

 Improvement”, Summer 2006.

Muratov, F. “Web-Based Photo Archive”, CIS 695, Winter 2006.

Klemish, M. “Intranet Based on MISRA Tool”, CIS 695, Summer

 2005.

Srinivasan, M. “A Case: Study: Implementation of Customer-

 Driven Software Metrics on Statistical Software

 Package”, CIS 695, Summer 2005.

Alphonso, P. “Family Resource Management and Cohesion in

 Social Networks”, CIS 695, Winter 2005.

Kruass, A. “3D Game Engine”, CIS 695, Winter 2005.

Kucab, J. “Premium Layouts Website”, CIS 695, Winter 2005.

Maratea, M. “3D Game Engine”, CIS 695, Winter 2005.

Voss, R. “Case Study: Application of Six Sigma to Just-In-

 Time Material Flow System”, CIS 695, Winter 2005.

Baker, M. “Enhanced Game AI Development Library”, CIS 695,

 Fall 2004.

Dong, S. “Automation of Quality Audit System”, CIS 695,

 Fall 2004.

Griffen, M. “Neural Checkers: A Checkers Like Game”,

 CIS 695, Fall 2004.

Rose, A. “Process Quality Audit – Elecronic Bill of

 Material”, Cis 695, Fall 2004.

Greenberg, I. “Generic Wireless Device Driver”, CIS 695,

 Summer 2004 (K. Akingbehgin, chair)

Michalek, J. “Implementing the CAN Calibration Protocol”,

 CIS 695, Winter 2004.

Adams, D. “Analysis and Recommendations for Applying Best

 Practices to Improve Software Development Process

 for Software Components that Contain External

 Computer Interfaces”, CIS 695, Summer 2003.

Alomari, S. "Optimistic Algorithm for Distributed

Transactions in Jini - Algorithms and

Implementations", CIS 695, Winter 2003.

Dibble, R. "Nine Men's Morris: A Software Implementation",

CIS 695, Winter 2003.

El-Mokadem, J. "Sharelink: Document Management and

Collaboration", CIS 695, Winter 2003.

Barna, M. "Analysis and Design of an Automobile Service

Information System", CIS 695, Fall 2002.

Fouani, S. "PC Controls Website", CIS 695, Fall 2002.

Rayford, E. "Automated Testing System", CIS 695, Fall 2002.

Vidershain, D. "On-line Photo Album", CIS 695, Fall 2002.

Yakushev, A. "Commerce Park Library Program", CIS 695,

Fall 2002.

Imam, D. "Employee Stock Option Plan: OptionNet Web

 System", CIS 695, Summer 2002.

Mohammed, G. "Proposal for a Private School Database

 Project", CIS 695, Summer 2002.

Puroll, B. "Software Risk Management in the Development of

 Automotive ECUS", CIS 695, Summer 2002.

Abad, M. "Implementing a Requirements Tracking Process",

 CIS 695, Winter 2002.

Divinagracia, H. "Part Number Analysis Tool", CIS 695,

 Winter 2002.

Luong, T. "Software Bugs and Software Change Control Issues

 Tracking System", CIS 695, Winter 2002.

Otieno, D. "Project Sphere", CIS 695, Winter 2002.

Jager, B. "Metrics of the BCBSM Find Your Representative

 Application", CIS 695, Fall 2001.

Trescott, R. "Knowledge Management and Engineering an

 Important Commercial Offspring of Artificial

 Intelligence, CIS 695, Fall 2001 (MSSWE).

Burrows, T. "Fast Draw Timer", CIS 695, Summer 2001.

Hayton, S. "Artificial Intelligence in Abalone", CIS 695,

 Summer 2001.