Yackley, J. ""Enhancing Automated Software Refactoring via
        Simultaneous Testing, Dependency Analysis,
        and Examining Multi-level Software Quality Concerns",
        PhD Dissertation (Co-Advisor – completed April 2022)

Abid, C. "Explainable, Security-Aware and Dependency-Aware
        Framework for Intelligent Software Refactoring", PhD
        Dissertation (Committee Member – completed November
        2021)

Almhana, R. "Intelligent Software Bugs Localization, Triage
        and Prioritization", PhD Dissertation
        (Committee Member – completed October 2021).

Rebai, S. "Commits Analysis for Software Refactoring
        Documentation and Recommendation", PhD Dissertation
        (Committee Member – completed August 2021)

Alizadeh, V. "A User-aware Intelligent Refactoring for
        Discrete and Continuous Software Integration",
        PhD Dissertation (Committee Member – completed
        April 2020).

Rashid, J., "Topic Modeling for Text Mining and Information
        Retrieval Through Machine Learning", PhD
        Dissertation, University of Engineering & Technology,
        Taxila, (External Reviewer – completed September
        2019).

Alhazi, B. "Information Systems Migration as an
        Optimization Problem: Case Studies on Refactoring
        Model Transformations", PhD Dissertation (Committee
        Member – completed June 2019).

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", Master's Thesis, (MS Advisor – expected December 2023).

Adrian, D. " Odd Meters in Generated Music for Video Games", (MS Advisor – expected December 2023).

Hamad, A. "Two Wheelistic: Development of a High-Fidelity Virtual Reality Simulator of Transportation Safety Research", Master's Thesis,(MS Committee Member – completed April 2021).

Niewiadomski, L. "Incorporating Model-Based User Requirements in Product Development", Master's Thesis(MS Advisor - Completed April 2021).

Sagherian, A. "Understanding Learning Progressions via Automatic Scoring of Visual Models", Master's Thesis, (MS Committee Member – completed April 2020).

Ganesan, G. "An Empirical Study of the Correlation Between Code Smells and Software Bugs", Master's Thesis, (MS Committee Member – completed December 2018).

Skaf, H., "Dimensionality Reduction of Quality Objectives for Web Services Modularization", Master's Thesis,(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", Master's Thesis, (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", Master's Thesis,(MS Committee Member – completed November 2017).

Melville, A. "An Automatic System for Characterization and Detection of Ocular Noise", Master's Thesis, (MS Committee Member - completed April 2017).

Hassouna, T. "Detection of Web Service Refactoring Opportunities by Example", Master's Thesis,(MS Committee Member - completed December 2016).

Tama, N. "Scheduling of Refactoring Opportunities Using Computational Search", Master's Thesis,(MS Committee Member – completed December 2016).

Shahzadi, S., "Unified Agile Testing Framework for Mobile Applications", University of Engineering & Technology, Taxila, Master's Thesis,(Co-Adviser – completed August 2016).

Weiss, B., "Examining the Relationship Between Age and Instrument Cluster Design Preference", Master's Thesis, (MS Committee Member – completed August 2016).

Nemala, V., "Model Transformation Testing: A Bi-level Search-Based Software Engineering Approach", Master's Thesis,(MS Committee Member – completed April 2015).

Boyina, R., "On the Use of Quality Attributes for Software Refactoring, Master's Thesis, (MS Committee Member – Completed December 2014).

Namburu, S., November 2014, "Detection of High-level Model Changes as a Multi-Objective Optimization Problem, Master's Thesis, (MS Committee Member – completed November 2014).

Alnofal, M. "Model Merging as a Multi-Objective Problems", Master's Thesis,(MS Committee Member – Completed January 2014).

Varadajan, A. "Design and Implementation of an Efficient Learning Tool for Pen Based Devices", Master's Thesis, (MS Committee Member - completed May 2006).

Lamba, A. "Design of Corporate Networks", Master's Thesis, Chair,(Candidate, 2002).

Crossman, J. "Advanced Signal-Based Diagnostics for Vehicle Fault Detection", Master's Thesis,(MS Committee Member – completed August,2000).

Weisenberg, R. "Dungeon Vision", CIS 695, (completed April 2023).

Skene, T. "Volunteers United", CIS 695, (completed April 2023).

Limbaugh, T. "Music Improvisation Machine Learning
    Experiment", CIS 695, (completed August 2022).

Graf, P. "VR Animation Toolset", CIS 695, Winter 2022.

Horton, A. "Automating Custom Client Software Packages and
    Deployments for a .NET Framework Web Application",
    CIS 695, Winter 2022.

Stark, N. "Chef Quest", CIS 695, Winter 2022.

Turner, S. "Student Enroll Software", CIS 695, Fall 2021.

El-Haik, A. "Autonomous Vehicle Simulator", CIS 695,
    Summer 2021.

Hobby, M. J. "Henchman: A Career in Minor Villainy",
    CIS 695, Winter 2021.

Leu, C. J. "Remind Me: Inventory and Event Reminder
    Web App", CIS 695, Winter 2021.

Lorenzetti, C. "Get Up to Code!", CIS 695, Winter 2021.

Roy, S. "Fake News Detection Using Machine Learning
    Algorithms", CIS 695, Winter 2021.

Shakir, A. "Alien Invasion", CIS 695, Summer 2020.

Cotter, J. "Virtual Automotive Controls Feature
    Simulation", CIS 695, Winter 2020.

Dashti, A. "Dead by Dying Light", CIS 695, Winter 2020.

Bhamidipati, S. "Effects of Twitter on Stock Market",
    CIS 695, Fall 2019.

Gayton, C. "Sector 12 Survival", CIS 695, Fall 2019.

Majid, S. "Amazon TV Game", CIS 695, Fall 2019.

Alhaidar, M. "LightUp Mobile Game", CIS 695, Winter 2019.

Balakrishna, D. "Location-based Insurance Compliant
    Personal Healthcare Assistant", CIS 695, (Committee
    Member), Fall 2018.

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.