Curriculum Vitae

Rob Elliott, Ed.D.
Clinical Assistant Professor in Management
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Education

2022 Ed.D. Instructional Systems Technology, Indiana University Bloomington
Minor: Data Science
2009 M.S. Human Computer Interaction, Indiana University Indianapolis (IUPUI)
2000 B.S. Computer and Information Technology, Purdue University Indianapolis (IUPUI)

Professional Appointments

2024-present Management Information Systems, Daniels School of Business, Purdue University
Clinical Assistant Professor of Management
Managing Director, Master of Business and Technology (MBT)

Notable Achievements at Purdue University

- Received three Distinguished Instructor awards and Outstanding Master's Teaching award in first two years
- Assumed managing director duties for MBT program, including student recruiting and mentorship
- Worked closely with graduate recruiting to revise and streamline MBT application process
- Taught and/or created seven distinct courses in first year; added two additional courses in second year

2009-2024 Computer and Information Technology, IUPUI
Program Director (2022-2024)
Lecturer/Senior Lecturer/Teaching Professor (2009-2024)
Adjunct Faculty (2003-2009)

Notable Achievements at IUPUI

- Won teaching awards at the department, school, campus, and university levels
- Supervised curriculum and program development for five unique plans of study within the major
- Developed seven undergraduate and six graduate courses to add emerging technologies to the curriculum
- Significantly revised eight additional undergraduate courses to ensure industry standard tools and methods were included
- Conducted research in the scholarship of teaching and learning above and beyond the expectations of my job role, totaling $125,640 in internal funding, eight journal and conference papers, and several conference presentations and invited speaking engagements
- Developed two study abroad programs to India and China

Awards and Honors

2026 Winner of Salgo-Noren Outstanding Master's Teaching Award
2025 (1st Runner Up) Salgo-Noren Outstanding Master's Teaching Award
2025 Distinguished Instructor Awards (MGMT 54500 Systems Design; MGMT 59000 DevOps)
2024 Distinguished Instructor Award (MGMT 59000 DevOps)
2020 Indiana University President's Award for Distinguished Teaching
2020 Fellow, Google Cloud Faculty Experts Program
2019 Trustee's Teaching Award, Division of Undergraduate Education, IUPUI, Indianapolis, IN.
2017 FACET Academy Award for Excellence in Teaching with Collaborative Activities, Indiana University Faculty Academy on Excellence in Teaching (FACET)
2016 Chancellor's Award for Excellence in Teaching, IUPUI, Indianapolis, IN.
2016 Trustee's Teaching Award, Purdue School of Engineering and Technology, IUPUI, Indianapolis, IN.

2015 Outstanding Teacher Award, Purdue School of Engineering and Technology, IUPUI, Indianapolis, IN.
2015 Inductee to Indiana University Faculty Academy on Excellence in Teaching (FACET), IUPUI, Indianapolis, IN.
2014 Best Paper Award for "Analysis of Student Perceptions and Behaviors in a Flipped Classroom Undergraduate Information Technology Course", CIT Division, 2014 ASEE Annual Conference, Indianapolis, IN.

List of Courses Taught – Purdue University

Undergraduate

MIS 47800	Experiential Project in Analytics
MIS 54500	Systems Development

Graduate

MIS 57800	DB & SQL
MIS 58200	Management of Organizational Data
MIS 58500	Information Technology Project Management
MIS 59000	Advanced Database
MIS 59000	Cloud Computing
MIS 58710	DevOps & Technology Solutions
MIS 69000	MBT Industry Experience

List of Courses Taught - IUPUI

Undergraduate

CIT 14000	Programming Constructs Lab
CIT 21200	Website Design
CIT 21300	Systems Analysis and Design
CIT 21500	Web Programming
CIT 24200	Introduction to ASP.NET Programming
CIT 30900	Programming for Networking & Cybersecurity
CIT 31300	Commercial Website Development
CIT 37300	Visual Design for Software
CIT 37400	Systems & Database Analysis
CIT 40700	Fundamentals of Intelligent Agents
CIT 41100	Native iOS Application Development
CIT 41200	Data-Driven Cloud Applications
CIT 41600	Global IT
CIT 41800	Native Android Application Development
CIT 43600	Advanced e-Commerce Development

Graduate

CIT 50100	Data-Driven Cloud Applications
CIT 51101	iOS Application Development
CIT 51102	Android Application Development
CIT 52400	E-Commerce Application Development
CIT 57400	Agile Systems and Database Analysis
CIT 58100	Global IT

Student Evaluations

Selected Comments from Student Evaluations

MIS 59000, MBT Industry Experience

"This is the most exciting and practical project we worked on as a cohort. I hope `shortlist` continues to grow every year and students get to apply what they learn throughout the year."

"The way this was organized and the freedom we had in this course was amazing. Rob is incredible supportive of our ideas and always willing to help. His involvement and excitement throughout the project was so motivating!!"

MIS 58200, Management of Organizational Data

"The most interesting course I had in Module 1! I really appreciate the way that we have exercises in class, which allows us to review what we learned. The homework is step-by-step, I can always figure out how to improve after receiving feedback on the assignments. Love this course!"

"He is a great prof. He has a great sense of humor and he has a great way of teaching. 100% would recommend students to take his class."

"I feel Prof. Elliot creates a very lively environment that makes me want to learn more to be able to be part of that environment. I came into this course with little to no knowledge of SQL. Now I feel confident about my skills and want to return to take the advanced version of this class in mod 2."

MIS 59000, Advanced Database

"Amazing course, really truly give this man a raise. The course is very organized, Dr. Elliot clearly puts a lot of time into organizing material and preparing for the class. He's an incredibly engaging lecturer with a strong understanding of the course material and how it relates to student's future needs."

"The lectures are engaging and the in-class exercises help the homework make a lot more sense. We develop a lot of hands-on skills which I appreciate."

"Prof. Elliot can always come up with good examples to explain an idea. Simplify the concept and make it more memorable. The way he deliver course content is very clear and he will keep helping us to review by reminding contents from previous courses."

MIS 59000, Cloud Computing

"Professor has a lot of knowledge about all the current technologies and he communicates it well. It's always great to ask doubts as he answers in a complete way."

"I like the clear communication style and the hands-on exercises in the class to use Azure (even if they involve some coding)"

Publications

Papers in Peer-Reviewed Journals

2023 Elliott, R. (2023). The Demographics of Device Ownership: An Examination of the Personal Computing Ecosystems of Students in Higher Education. *Educational Technology & Society*, 26(3), 129-140. Access via journal website.

Papers in Refereed Conference Proceedings

2026 Luo, X., Fang, X., Wu, Y., Chidara, P., Elliott, R. (2026). *Assessing the reliability of a large multimodal model for scoring and reasoning commercial videos*. Submitted to 18th ACM Web Science Conference, 2026.

2023 Elliott, R. (2023). *How are smart phones used by students in higher education? Exploring the intersection of digital learning activities and personal technology.* 2023 IEEE International Conference on Software Engineering Education and Training, Tokyo, Japan, August 7-9. https://doi.org/10.1109/CSEET58097.2023.00022

2022 Elliott, R. (2022). *An examination of the personal technology of students in STEM disciplines.* 2022 Frontiers in Education Conference, Uppsala, Sweden, October 8-11. https://doi.org/10.1109/FIE56618.2022.9962743

2022 Elliott, R. & Luo, X. (2022). *Learning management system analytics to examine the behavior of students in high enrollment STEM courses during the transition to online instruction.* 2022 Frontiers in Education Conference, Uppsala, Sweden, October 8-11. https://doi.org/10.1109/FIE56618.2022.9962732

2020 Elliott, R. & Luo, X. (2020). *Demonstrating the impact of international collaborative disciplinary experiences on student global, international, and intercultural competencies.* 2020 Frontiers in Education Conference, Uppsala, Sweden, October 21-24. https://doi.org/10.1109/FIE44824.2020.9274038

2018 Elliott, R., & Luo, X. (2018). *Improving the global, international, and intercultural (GII) competencies of IT students via integrated collaboration during study abroad.* In Proceedings of the 19th Annual SIG Conference on Information Technology Education (pp. 50–55). New York, NY, USA: ACM. https://doi.org/10.1145/3241815.3241858

2014 Elliott, R. (2014). *Analysis of student perceptions and behaviors in a flipped classroom undergraduate information technology course.* Proceedings of the 2014 ASEE Annual Conference, Indianapolis, IN, June 15-18. https://doi.org/10.18260/1-2--20072

2014 Elliott, R. (2014). *Do students like the flipped classroom? An investigation of student reaction to a flipped undergraduate IT course.* Proceedings of the 2014 Frontiers in Education Conference, Madrid, Spain, October 22-25. https://doi.org/10.1109/FIE.2014.7044070

2011 Elliott, R. (2011). *Work in Progress – The Impact of Integrating First-Year Students into the Broader Curriculum.* Proceedings of the 2011 Frontiers in Education Conference, Rapid City, SD, October 22-25.

Presentations & Invited Talks

Presentations and International and National Professional Meetings

2021 Renguette, C., Meacham, H., Ghebrenegus, N. & Elliott, R. (2021, October 28). *Intercultural collaboration: Engaging distant students in virtual activities.* International Virtual Exchange Conference 2021.

2021 Elliott, R. (2021, October 29). *Device-aware instructional design.* Presented at the 2021 IU Online Conference (online).

2018 Elliott, R., Zhao, H., & Ricke, A. (November 9, 2018). *USDA choice: Using student devices advantageously.* Presented at the 2018 IU Online Conference in Indianapolis, Indiana.

2018 Elliott, R., & Luo, X. (October 22, 2018). *Evaluating multi-institution student collaboration via study abroad.* Presented at the 2018 Assessment Institute in Indianapolis, Indianapolis, Indiana.

2017 Birdwell, T., Elliott, R., & Evans, N. (November 17-19, 2017). *Mosaic faculty fellows: An FLC for institutional change.* Presentation at the Lilly International Conference on Teaching and Learning, Oxford, OH.

2016 Elliott, R., Evans, N., & Ingram, E. (November 18-20, 2016). *A process of institutional change in online learning.* Presentation at the Lilly International Conference on Teaching and Learning, Oxford, **OH.**

2015 Elliott, R., Evans, N., & Zhao, H. (November 19-22, 2015). *Classroom technology from students' perspective.* Presentation at the Lilly International Conference on Teaching and Learning, Oxford, **OH.**

2014 Elliott, R. (November 20-23, 2014). *Analysis of student perceptions of a flipped classroom undergraduate information technology course.* Poster at the Lilly International Conference on Teaching and Learning, Oxford, OH.

2014 Elliott, R., & Evans, N. (November 20-23, 2014). *Doing backflips in the classroom: a scaffold for the flipped classroom.* Presentation at the Lilly International Conference on Teaching and Learning, Oxford, OH.

2014 Elliott, R., & Evans, N. (November 20-23, 2014). *Technology tools to improve engagement and interactivity in online courses.* Presentation at the Lilly International Conference on Teaching and Learning, Oxford, OH.

2014 Elliott, R., & Evans, N. (May 14-16, 2014). *Time to fail in flipped classrooms: Learning environments that allow mistakes and encourage risk.* Presentation at the Great Lakes Conference on Teaching and Learning, Mt. Pleasant, MI.

2013 Elliott, R., & Evans, N. (November 21-24, 2013). *Practical considerations for flipping a classroom.* Presentation at the Lilly International Conference on Teaching and Learning, Oxford, OH.

2011 Elliott, R. (2011). *Divide and conquer: Incorporating large-scale project development throughout the curriculum.* Poster presented at the annual meeting of the Coalition of Urban and Multicultural Universities, Indianapolis, IN.

2011 Defazio, J., Elliott, R., Hardin, J. (2011). *There's an app for that: Supporting eco-conscious communities via location-based networking.* Poster presented at the annual meeting of the Coalition of Urban and Multicultural Universities, Indianapolis, IN.

Invited Talks

2017 Elliott, R. (2017). *Every classroom is a laboratory.* Plenary presentation at EC Moore Symposium, Indianapolis, IN. March 3.

2016 Elliott, R. *Improving engagement & interactivity in the 21st century: Classroom technology from the student's perspective.* Invited faculty development seminar at University of Akron Wayne College, Orrville, OH, April 2016.

2016 Elliott, R. *Mobile development at IUPUI.* Invited talk at ARCANE 2016, BS Abdur Rahman University, Chennai, Tamil Nadu, India, March 2016.

2015 Elliott, R., & Evans, N. *Are you out there??Technology tools to improve engagement and interactivity in online courses.* Invited faculty development seminar at Indiana State University, Terre Haute, IN, May 2015.

2015 Elliott, R. *The flipped classroom: What is it?* Invited faculty development seminar at Shawnee State University, Portsmouth, OH, April 2015.

2015 Elliott, R. *Technology tools to improve engagement and interactivity in online courses.* Invited faculty development seminar at Shawnee State University, Portsmouth, OH, April 2015.

2015 Elliott, R., & Evans, N. *Improving student engagement: Building authenticity into face-to-face, hybrid, and online courses.* Invited faculty development seminar at Shawnee State University, Portsmouth, OH, April 2015.

Grants

With my colleagues' support, I have been awarded $130,640 in research funds in my pursuit of the Scholarship of Teaching and Learning.

2026 Elliott, R., Stocker, J. (2026) Startups in the classroom: Building a sustainable industry experience through student-led software product development. DSB Curriculum Innovation Grant. Daniels School of Business. Purdue University ($5,000 DSB).

2021 Elliott, R., Luo, X. (2021). Analysis of digital course materials and student personal technology in STEM courses: Developing instructional design to support 21st century student learning. STEM Education Innovation and Research Institute. Indiana University Purdue University Indianapolis. ($14,840 SEIRI, total project $14,840).

2019 Elliott, R., Jones, L., & Guo, X. (2019). Reinventing the CIT First-Year Experience. Curriculum Enhancement Grant, Center for Teaching and Learning, IUPUI. ($15,000 CTL, total project $30,000).

2018 Elliott, R., Bozeman, L. (2018). Integrating Disciplinary International Collaborative Experiences (DICE) into the Undergraduate STEM Curriculum. STEM Education Innovation and Research Institute. Indiana University Purdue University Indianapolis. ($17,800 SEIRI, total project $17,800).

2017 Elliott, R., Luo, X (2017). Global IT Citizenship. RISE ePortfolio Curriculum Development Grant, Division of Undergraduate Education & ePortfolio Initiative, IUPUI. ($5,000 IU DUE, total project $8,000).

2015 Elliott, R. (2015). JiTTer: The Just-in-Time Teacher - Building an Automated Assessment Tool to Increase Student Engagement and Maximize Instructor Effectiveness. Curriculum Enhancement Grant, Center for Teaching and Learning, IUPUI. ($5,000 CTL, total project $10,000).

2013 Elliott, R., Evans, N., & Fernandez, E. (2014). Building the Flipped Classroom: Designing a Collaborative Workspace for Active Learning. Learning Environment Grant, Center for Teaching and Learning, IUPUI. ($25,000 CTL, total project $103,300).

2013 Elliott, R., Justice, C. (2013). Development of an Online iOS Application Programming Course. Curriculum Enhancement Grant, Center for Teaching and Learning, IUPUI. ($5,000 CTL, total project $5,000).

2011 Denton, R., Elliott, R. (2011). Development and Implementation of Collaborative Knowledge Base Software in the First-Semester Organic Chemistry Lecture. Multidisciplinary Undergraduate Research Initiative, IUPUI. ($10,000).

2010 Evans, N. (PI) & Elliott, R. (2010). Integrating First-Year Students into the Broader Curriculum. Curriculum Enhancement Grant, Center for Teaching and Learning, IUPUI. ($5,000 CTL, total project $23,600).

Professional Development

2025 Member, IMPACT Critical Thinking Semester Faculty Learning Community (Purdue University)
2024 Member, IMPACT Semester Faculty Learning Community (Purdue University)

Service to the University

2025-present Member, Parking and Transportation Faculty Senate Subcommittee
2025-present Member, Daniels Curriculum Committee
2024-present Managing Director, Master of Business and Technology
2023-2024 President Elect, School of Engineering and Technology Faculty Senate, IUPUI
2022-2023 President, School of Engineering and Technology Faculty Senate, IUPUI
2021-2022 President Elect, School of Engineering and Technology Faculty Senate, IUPUI
2020-2024 Member, Learning Technologies Steering Committee, IU
2020-2024 Co-Chair, IUPUI Virtual Exchange Community of Practice
2019-2023 Campus Co-Director, Indiana University Faculty Academy for Excellence in Teaching (FACET)
2018-2022 Faculty Fellow, IUPUI Gateway to Graduation Program
2017-2020 Study Abroad trip coordinator, Global IT Citizenship, Changsha/Beijing, China
2017-2024 Mentor, School of Engineering and Technology Faculty Mentor Academy
2017-2020 Chair, IUPUI Faculty Council Technology Committee
2017-2024 Senior Fellow, Indiana University Mosaic Active Learning Initiative
2017-2023 Steering Committee Member, Indiana University Faculty Academy for Excellence in Teaching (FACET)
2017-2019 Fellow, Indiana University Career EDGE Initiative
2015-2024 Study Abroad trip coordinator, Global IT Management, Chennai/Farah/Pune, India
2015 Study Abroad trip coordinator, SIFCUL Summer Program, Shenzhen, China
2015-2024 Member, Indiana University Faculty Academy on Excellence in Teaching
2014-2017 Member, Bring Your Own Device Community of Practice, Gateway to Graduation Program
2013-2022 Chair, Technology Community of Practice, Gateway to Graduation Program
2012-2014 Chair, Flipped Classroom Faculty Learning Community
2012-2024 Webmaster, School of Engineering and Technology, IUPUI
2009-2024 Undergraduate Academic Advising

Professional Consulting

2009-2019 JIST Publishing
2005-2009 American Red Cross of Greater Indianapolis (previously: redcrossonlinetraining.org)
2000-2005 Willow Marketing
1997-2000 Eli Lilly and Company