

# 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 in Management*  
*Managing Director, Master of Business and Technology*
- 2009-2024 Computer and Information Technology, IUPUI  
*Program Director (2022-2024)*  
*Teaching Professor (2021-2024)*  
*Senior Lecturer (2018-2021)*  
*Lecturer (2012-2018)*  
*Visiting Lecturer (2009-2012)*  
*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

- 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

MGMT 54500 Systems Development

### Graduate

MGMT 58200 Management of Organizational Data

MGMT 58500 Information Technology Project Management

MGMT 59000 Advanced Database

MGMT 59000 DevOps & Technology Solutions

## 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 Summary

My student evaluations consistently rank at the top of my department and school. I understand that student evaluations should not be the only measure of one's skills as a teacher. Nevertheless – while setting aside the inherent biases in the evaluation process – I find the feedback from students to be quite helpful as I continue to develop and refine my courses and my personal pedagogical style.

The chart below shows the summarized results for three specific questions on student evaluations for the trailing five years (on a four-point Likert scale).

- Question 1: Motivating Environment: "This class provided a motivating environment for learning."
- Question 2: Learning Outcomes: "Overall, I learned a great deal from this class."
- Question 3: Instructor Effectiveness: "Overall, this instructor was effective at teaching this course."

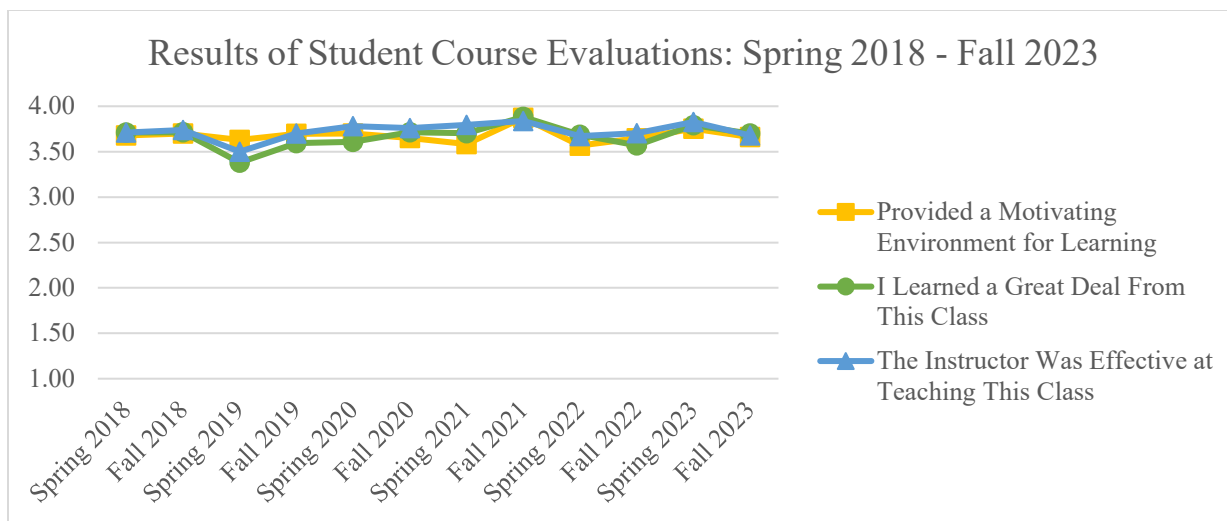


Figure 1: Summary of Student Evaluations for Trailing 5 Years (4-point scale)

#### Selected Comments from Student Evaluations (unrelated to a specific evaluation question or semester)

##### **CIT 21300, Systems Analysis and Design**

*"This course (has) great resources and materials to help you understand the course. In addition, **the way the teacher teaches his class makes everyone involved and I have never witnessed such a thing before in any of my previous class.**"*

*"Rob Elliot took a group of students that didn't know anything and **transformed them into business professionals.**"*

*"Rob is one of the best professors I've had. **His passion translates well into the classroom** and motivates students to learn."*

*"Robbie E is a baller"*

##### **CIT 37300, Visual Design for Software**

*"Rob is a great professor: he's friendly, sharp, and just **makes the class environment engaging.** I also really appreciated that he made attendance optional for the career fair, he understands what is most important in an academic environment. Really enjoyed class with Rob and I really hope I get to take another one of his classes in my time at IUPUI."*

*"This class helped me learn what I want to do with the rest of my career and introduced me to **some of the most interesting, exciting tech and design concepts I have learned in college so far.** I am very glad I took this class."*

##### **CIT 41100, iOS Mobile Application Development**

*"I feel like Rob should teach teachers how to teach."*

*"**Rob clearly belongs in education.** He is genuine and caring and obviously wants students to learn and get the most they can from his classes. He gets behind in grading, but overall, an enjoyable teacher and a great experience."*

## 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

- 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 \$125,640 in research funds in my pursuit of the Scholarship of Teaching and Learning.*

- 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).

### Service to the University

- 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