

# J A I M E E K U B A T Z K E

SPECIALIZING IN DESIGNING AND FACILITATING LEARNING EXPERIENCES

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## S U M M A R Y

Innovative educator with 8+ years of diverse experience developing and implementing effective and engaging instruction for adults in virtual, hybrid, and in-person learning environments. Track record of using evaluation of data from multiple sources to drive instructional decisions that improved learner performance in targeted areas. Proven expertise in needs analysis, instructional design, and project management.

## E D U C A T I O N

Ph.D., Free Radical and Radiation Biology  
*University of Iowa*

Graduate Certificate, College Teaching  
*University of Iowa*

B.S., Biomedical Science

St. Norbert College  
Chemistry Minor

eLearning Designer's Academy  
Tim Slade

## P R O F E S S I O N A L E X P E R I E N C E

### 2021 - Present **BIOLOGY COURSE DEVELOPMENT SUBJECT MATTER EXPERT**

Freelance

- Collaborate with instructional designers and technologists, assessment developers, and program developers to build a two-semester, asynchronous Human Anatomy and Physiology course.
- Author and revise course materials; select appropriate images, figures, and instructional videos; design learning tips, clinical applications, assessment questions, and laboratory activities to increase learner engagement with subject matter and increase achievement of defined goals and objectives.

### 2021 - Present **TECHNICAL SCIENTIFIC WRITER**

Freelance

- Author and edit journal articles, grant proposals, conference abstracts, and laboratory training materials in collaboration with subject matter experts, including clients such as University of Wisconsin-Madison, University of Nevada-Reno, and Northwestern University.

### 2020 - 2022 **BIOLOGY LECTURER**

Nevada State College, Department of Biology

- Conducted thorough needs analyses to determine potential causes of high drop/withdraw/fail rates of an in-person anatomy and physiology class, then developed and facilitated a new, fully online version of the course that was highly engaging and targeted to meet identified needs, which slowed the drop/withdraw/fail rate and increased learners' achievement of defined objectives.
- Designed and implemented interactive learning experiences using Camtasia, YuJa, and Flipgrid as well as interactive course pages within Canvas Learning Management System (LMS) to increase learner engagement, resulting in one of the highest student evaluation scores in the entire department with an average of 4.86/5.
- Developed realistic case studies using branching scenarios in PowerPoint to allow learners the opportunity to apply learned concepts and methodologies in realistic situations as well as the opportunity to see the results of their actions.

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## PROFESSIONAL EXPERIENCE

### 2018 - 2020 ASSISTANT PROFESSOR OF BIOLOGY

Rockford University, Department of Chemical and Biological Sciences

- Analyzed and evaluated student course needs to inform the creation of an entirely new biology major curriculum with two tracts to maximize faculty attention on the most in-demand courses and address the needs of learners to increase engagement and success rates, which increased declarations of biology majors by approximately 15% in one year.
- Designed and facilitated small group training for faculty members to incorporate active learning and backward design methodologies into their courses, including collaborating with team members 1:1 to implement new activities and lessons, which enhanced student retention and increased student performance by 13%.

### ASSOCIATE LECTURER

2017

University of Wisconsin - Madison, Department of Kinesiology

- Redesigned entire curriculum based on adult learning theories, using active learning strategies and frequent low-stakes self-assessment opportunities in collaboration with the Redesigning for Active Learning in High-Enrollment Courses (REACH) program to increase student performance on exams by approximately 12% compared to previous semesters.

### POSTDOCTORAL RESEARCH ASSOCIATE

2016 - 2018

University of Wisconsin - Madison, Department of Human Oncology

- Led a team of 5+ researchers, collaborated across departments, and managed 3 concurrent projects, resulting in 3 published papers and presentations at 4 conferences using graphics created in Adobe Illustrator.
- Streamlined process for conducting western blots including writing the protocol, training all laboratory employees, and tracking and monitoring progress to ensure high quality standards were consistently met, resulting in decreased time and resources required to complete each.

2014 - 2016

### FORENSIC DNA ANALYST

Wisconsin State Crime Laboratory

- Created and implemented training programs to teach law enforcement agencies about DNA collection techniques and analysis including facilitating training in five agencies with approximately 20-30 officers per training, resulting in fewer quality issues when submitting evidence and increased efficiency when partnering with officers.
- Led a team of 4 researchers to decrease the amount of sample and reagents necessary for a standard DNA sample, including collaborating with analysts to create a new code and write the revised protocol, which effectively reduced costs by 75%.

## TECHNOLOGY

Articulate 360 | Camtasia | Loom Video Recording | Adobe Illustrator | Canva | Learning Management Systems | Kahoot |  
Adobe Captivate | Microsoft Office Suite | Google Suite

## AWARDS AND HONORS

- **Ruth L. Kirschstein National Research Service Award**; National Institutes of Health 2017-2018
- **Wisconsin Scientific Teaching Fellowship**; WISCIENCE, University of Wisconsin-Madison 2017
- **Institutional Research Training Grant (T32)**; National Institutes of Health 2010-2013
- **Vere D. Wenger Research Award**; Holden Comprehensive Cancer Center 2013
- **Scholar-in-Training Research Award**; Radiation Research Society 2012, 2013
- **Distinguished Senator**; Graduate Student Senate, University of Iowa 2012, 2013
- **Executive Council of Graduate and Professional Students Research Award**; University of Iowa 2013