JOSHUA A. RAINES

Senior Academic Administrator

CONTACT

✉ jaraines9748@gmail.com

📞 765.686.0877

🏠 Muncie, IN

in www.linkedin.com/in/josh-raines

EDUCATION

MASTERS DEGREE:
Sociology, 2002
//concentration: complex sample statistics//
Ball State University

BACHELORS DEGREE:
Psychological Sciences, 2000
Ball State University

PROFESSIONAL PROFILE

Professional academic administrator with over two decades of proven leadership navigating the fast-paced landscape of integrating technology into the classroom. Exceptional skills in research and statistical analysis reinforce a record of successful program administration, resulting in more than $19M raised in external/research funding.

EXPERIENCE

2020-Present — **Founder & Chief Executive Officer, Raineman Solutions**

- Founded custom hardware and software startup helping clients manage data, and building custom IoT solutions
- Launched successful business plan, identifying market segments/opportunities and engaged new prospects
- Specialize in artificial intelligence, computer vision, and its effect on human processes and optimization

Key Achievement: *Shipped several pieces of commercial software, Virtual Reality simulations, Augmented Reality experiences, and edge A.I. technologies (computer vision)*

2003-2020 — **Assistant / Director, Social Science Research Center, Ball State University**

- Consistently replaced >75% of operating expenses (including salaries + fringe) through external funding
- Grew project holdings by more than 100%
- Consistently *promoted*: from Sr. Research Technician to Assistant Director in 2008, & to Director in 2017
- Hired, deployed, and managed project teams ranging in size from 3 – 50+
- Developed IoT hardware and software applications resulting in several pieces of intellectual property

Key Achievement: *Successfully administered programs funded by more than* **$19 million** *in external revenue. Made possible through grant collaborations, intellectual properties, and patentable products and applications*

EXECUTIVE COMPETENCIES

* Executive-Level Coaching

* Proposal & Technical Writing

* Fundraising and Development

* Financial MGMT

* Data Analysis

* Technology Deployment

   //Virtual Reality, Augmented

    Reality, Edge IoT & A.I.//

* Program Administration & Evaluation

* Marketing

* Human Capital Strategies

* Restructuring/Change MGMT

TECHNICAL COMPETENCIES

* 3D Printing & Prototyping

* Fusion 360 / TinkerCAD

* Lean/Agile/Kanban

* Open AI/ChatGPT API

* HuggingFace 🤗

* Python/html/[limited] C#

* Unity 3D

* SPSS/SAS/R

* ArcGIS

* Adobe Creative Suite (incl. AERO)

* Edge Impulse (Edge A.I./Vision)

2003 – 2020   **Adjunct Faculty, Ball State University**

- Taught several sections of undergraduate coursework in the departments of Sociology, Social Work, and Psychological Science
- Courses include: statistics, research methods, computational social science, social problems, work and society, institutional research, and introductory courses
  Key Achievement: *Consistently served on student research committees, given consistently excellent student and professional evaluations while teaching statistics, research, and theory across several disciplines*

2003 – 2006   **Adjunct Faculty, Ivy Tech Community College**

- Taught several sections of undergraduate sociology and psychology in the Human Services department
- Courses include intro to psychology, intro to sociology, and social problems
  Key Achievement: *Consistently high student evaluations across disciplines and courses. Learned classroom management skills*

CORE COMPETENCIES

Competency	Rating	Competency	Rating
Leadership	●●●●	Adaptability/Flexibility	●●●●
Creativity	●●●●	Collaboration/Rel. Bldg.	●●●●
Preparation/Acumen	●●●●	Stakeholder Focus	●●●●
Written Communication	●●●●	Ethical Leadership	●●●●
Oral Communication	●●●●	Risk Management	●●●●
Strategic Vision	●●●●		

PUBLICATIONS/RESEARCH/PRESENTATIONS

Davis, Matt J., Raines, Joshua A., Benson, Cole L., McDonald, Chad H., & Altizer, Roger A. (2021). _**Toward a framework for developing virtual reality skills training in human services.**_ **Journal of Technology in Human Services, 39:3, 295-313, DOI: 10.1080/15228835.2021.1915928**

Benson, Cole L., McDonald, Chad, Davis, Matt J., Raines, Joshua A. (2021). _**Design and implementation considerations for virtual reality in human services.**_ **Journal of Technology and Human Services, 39:3, 215-218, DOI: 10.1080/15228835.2021.1915929**

Raines, Joshua A. (2020). _Using Virtual Reality Simulations to Develop Social Work Practice Skills: IMSH SimVentors Showcase_ (Product Showcase). Accepted for presentation at the International Meeting for Simulation in Health Care, San Diego, CA, January 2020.

Raines, Joshua A. (2019). _**Universal 4D Attachments for Head Mounted Displays with Olfactory Simulation**_**. US Non-Provisional Patent Application # 610842.100019.**

Raines, Joshua A. (2019) _Improving Practice Skills with Virtual Reality Simulations and Deliberate Practice._ Skills Workshop presented at the Annual Program Meeting for the Council on Social Work Education, Denver, CO, October 2019.

Stone, Glenn S., Raines, Josh A., & Gray, Judith L. (2020). _**Using Virtual Reality Simulations to Develop Social Work Practice Skills.**_ **International Journal of Continuing Social Work Education, 25:1, 3-7.**

Raines, Joshua A., Litt, Daniel E., & Perales, John P (2019). _Using VR Simulations to Promote Practice Skills._ Software presented at IARCA annual conference, September 2019.

Raines, Joshua A. (2019). _Digital Experiments in VR Simulations._ Invited Lecture, Presented at the Summer Institute for Computational Social Sciences (SICSS), Silberman School of Social Work, City University, New York, New York. June 2019.

Raines, Joshua, A. (2019). _The role of VR simulations on social work student outcomes: Examining the effects of bias on the development of practical judgment and decision-making skills._ Research presented at the Annual International Meeting for Simulation in Health Care (Professor Rounds), San Antonio, TX, January 2019.

Stone, Glenn S., Raines, Joshua A., & Gray, Judith L. (2018). _Using virtual reality to develop students' practice skills: The VRoom Project._ Workshop presented at the Council on Social Work Education's Annual Program Meeting, Orlando, FL, November 2018.
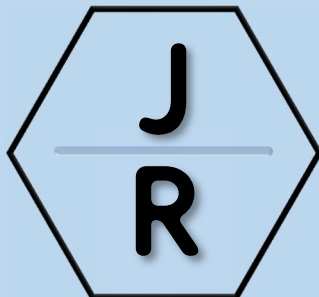
LANGUAGES

* English ●●●●
* Spanish ●●○○
* German   ●●○○

Raines, Joshua A., & Stedman, Kelley R. (2015). *Creating culturally-competent, mixed-methods program evaluations.* Workshop presented at the American Evaluation Association's Annual Conference, Chicago, IL, November 2015.

Stedman, Kelley R., & Raines, Joshua A. (2015). *Evaluation and the logic model: Tools for success.* Invited workshop presented at the National Council of University Research Administrators (NCURA) Region IV and VIII Annual Spring Meeting, Chicago, IL, April 2015.

Raines, Joshua A. (2014). *Understanding data ecology's impact on Bayesian vs. frequentist analytic plans: Let your data tell the story.* Workshop presented at the American Evaluation Association's Annual Conference, Denver, CO, October 2014.

Raines, Joshua A., & Stedman, Kelley R. (2014). *The best of what's around is still pretty good: Making the most of secondary data in needs assessment.* Workshop presented at the American Evaluation Association's Annual Conference, Denver, CO, October 2014.

Raines, Joshua A. (2011). *Indiana hometown competitiveness: Conducting the Phase I Assessment.* Invited workshop presented at the Rural Families for Economic Success, Community Development Conference, Indiana Office of Community and Rural Affairs, Columbus, IN, June, 2011. (Invited Presentation)

Reagan, Daniel, Raines, Josh, and Davisson, Don. (2011). [The possibility for deliberative democracy: Health care and the limits of increased information levels](). *International Journal of Arts and Sciences, 4* (13), 401-418.

Raines, J.A., Indiana Youth Advisory Board. (2010). *Transitioning from the transitioned: Former foster youth speak to agency directors and child welfare service providers.* Workshop presentation at Annual IARCCA Conference, Indianapolis, IN, September 2010.

Raines, J.A., Indiana Youth Advisory Board. (2009). *Talkin' about my generation: The Indiana Youth Advisory Board talks communication and transitioning.* Workshop presentation at the Annual IARCCA Conference, Indianapolis, IN, September 2009.

Perkins, David V., Raines, Joshua A., & Tschopp, Molly A. (2008). [Gainful employment reduces stigma towards people with schizophrenia.]() *Community Mental Health Journal, 45* (3), 158-162.

Raines, Joshua A., & Perkins, David V. (2006). *Recovery from psychiatric disability: Gainful employment reduces the distance between former state hospital inpatients and the general population.* Paper presented at the Geographic Information Systems Symposium, Ball State University, Muncie, IN.

Perkins, David V., Born, Dennis L., Raines, Joshua A., & Galka, Steven W. (2004). [Program evaluation from an ecological perspective: Supported employment services for people with serious mental illness](). *Psychiatric Rehabilitation Journal, 28* (3), 217-224.