

ERIC FRETZ

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EDUCATION

Ph.D. 2010, Psychology & Education	University of Michigan, Ann Arbor, MI
M.S. 2002, Psychology	University of Michigan, Ann Arbor, MI
M.S. 1999, Education	Southern Illinois University, Carbondale, IL
B.S. 1995, Education	Southern Illinois University, Carbondale, IL
B.A. 1989, Residential College	University of Michigan, Ann Arbor, MI

RESEARCH INTERESTS

Best practices for supporting post-secondary students who are military veterans. Best practices for developing Entrepreneurial mindset in undergraduate students.

PROFESSIONAL EXPERIENCE

Adjunct Professor / Lecturer, University of Michigan & Washtenaw Community College

Ann Arbor, MI (2013- present) Department of Psychology, College of Literature, Science & the Arts, School of Education, College of Engineering: Instructor of record for large lecture courses (e.g. P356, P223) with multiple Graduate Student Instructors, and graduate (e.g. ED 606, ENTR 550) & undergraduate seminars (e.g. Psych 120/401). Designed and teach one of two core courses for the Entrepreneurship minor in the College of Literature, Science & the Arts. Golden Apple Nominee, 2015, 2016, 2017, 2019, 2020, 2021.

International Consultant, William Davidson Institute

Ann Arbor, MI (2018 – present) Provide curriculum review and development, instructional delivery and support, and team dynamics mentoring, remotely and on site. Most recent line of effort supporting team in Turkey training Syrian refugees to be food entrepreneurs (remote from A2 and on site near Syrian border)

Volunteer Curriculum Developer & Lecturer, Student Veterans Success Class

Ann Arbor, MI (2015- present). Develop and teach (multiple states) a 10 module, 20 hour, not-for-credit “Veteran Success Curriculum” for veterans transitioning to academic settings. Over 1000 students served - Average student rating 4.85/5.

Owner and CEO, Flat Rock Aesthetics & Jennifer Fretz PLC (family practice clinic)

Flat Rock, Michigan (2005 – present) Provide management and strategic leadership for a Family Practice clinic/lab/pharmacy and a full service Laser Aesthetics practice offering non-invasive cosmetic procedures.

Lieutenant Commander, United States Navy (retired)

Worldwide (1989-2009) Career highlights include: Surface Warfare Officer on a guided missile cruiser, 4 years of sea duty, 2 deployments to Persian Gulf combat zone with the Navy, and another to Baghdad with the U.S. Army 18th Airborne Corps, ran multiple training schools with 1000+ students.

Research Assistant, University of Michigan

Supervisor: Dr. Joseph Krajcik (Fall 1998-Spring 2004) Center for Highly Interactive Computing in Education (hi-ce), University of Michigan Ann Arbor, Michigan (USA)

TEACHING EXPERIENCE

Instructor, Educational Psychology & Learner Development [ED 391]

School of Education, University of Michigan, Ann Arbor, MI (2000-2007)

Class for pre-service teachers, covering aspects of K-12 learner development, learning theory, motivation, culture, and assessment. Class enrollment 15-25, 3 credit hours.

As instructor of record, created syllabus, course outline, and assessment tools.

Conducted all class sessions, office hours, and grading. (Was PhD student)

Instructor, Developmental and Psychological Perspectives on Education [ED 606]

School of Education, University of Michigan, Ann Arbor, MI (2004)

Class for Masters and PhD students, covering educational psychology (learning, motivation, development, instruction, assessment), cognitive science models, and their applications to instructional issues. Class enrollment 5-15, 3 credit hours.

As Co- instructor of record, created syllabus, course outline, and assessment tools.

Conducted all class sessions, office hours, and grading. (Was PhD student)

Training Officer, United States Navy

Great Lakes Naval Training Center, Great Lakes, IL (1994-1996)

Served as Principal (equivalent term) for four schools (400+ students) using multiple buildings to teach 12 courses totaling 70 weeks of instruction. Also served as team leader and instructor for Fundamentals of Total Quality Leadership and Team Skills classes.

Navy certified as: Instructor, Instructor Evaluator, Testing Officer, Curriculum

Developer, and Training Manager. Provided budgetary, personnel, curriculum, and testing oversight to all schools. Certified as Master Training Specialist.

Other Training Experiences

Volunteer Red Cross Instructor, SEM Chapter/Service Center, Riverview, MI (2000-present)
Certified in Standard First Aid & Safety, Adult CPR, Child CPR, Infant CPR, AED.
Class enrollment 5-15, 6-18 contact hours per course, 2-10 courses per year.
Use prepared curriculum and videos to certify community members using written assessments and interactive "scenario-based" practical assessments on mannequins.

Community College and Corporate Instructor, in Iowa and Michigan, 1996-2002, teaching various adult computer/technology classes. Class enrollment 5-25, 6-40 contact hours per course.
Developed and taught all curricula, to include student workbooks and troubleshooting manuals.

PAPERS

Fretz, Eric B., Wu, Hsin-Kai., Zhang, BaoHui., Davis, Elizabeth A., Krajcik, Joseph S., Soloway, Elliot. (2002). "An Investigation of Software Scaffolds Supporting Modeling Practices" RESEARCH IN SCIENCE EDUCATION (32) KLUWER:Netherlands, 567-589.

Quintana, C., Reiser, B.J., Davis, Elizabeth A., Krajcik, Joseph S., Fretz, E., Duncan, R., Kyza, E., Edelson, D., & Soloway, E. (2004). "A Scaffolding Design Framework for Software to Support Science Inquiry" JOURNAL OF THE LEARNING SCIENCES, 13(3) LEA: Malwah, NJ, 337-386.

Quintana, C., Fretz, E., Krajcik, J., & Soloway, E. (2000). "Assessment Strategies for Learner-Centered Software". HUMAN FACTORS IN COMPUTING SYSTEMS: CHI 2000 EXTENDED ABSTRACTS, Addison Wesley.

Quintana, C., Fretz, E., Krajcik, J., & Soloway, E. (2000). "Evaluation Criteria for Scaffolding in Learner-Centered Design". In B. Fishman & S. O'Conner-Divelbiss (Eds.), PROCEEDINGS OF ICLS 2000, Lawrence Erlbaum.

ACADEMIC HONORS

Spencer Scholar Award [4 yr fellowship] (1998)

PROFESSIONAL AFFILIATIONS

American Psychological Association (1998- present)
American Educational Research Association (1998- 2019)
American Legion (Life member)
Veterans of Foreign Wars (Life member)
National Eagle Scout Association (Life member)

OTHER PROFESSIONAL ACTIVITIES

From 1985 – 2009, served 24 years on active and reserve duty with the U.S. Navy, conducting some form of training activities at every unit and duty station. Retired in May 2009, career included three deployments to the Persian Gulf

combat zone, most recently a 1-year involuntary recall to active duty for service with the XVIII Airborne Corps HQ of the US Army in Baghdad, Iraq. Awarded Bronze Star Medal for meritorious service in the combat zone.

State Director (Federal GS-15 position) Selective Service System, lead team to maintain draft infrastructure for State of Michigan.

Chairman, Veterans Community Action Team, Region 9, (VCAT9) for Michigan Veterans Affairs Agency. Serving 50,000 veterans across six counties.

Director, Mentor program, Washtenaw County Veterans Treatment Court

Editorial Board, Journal of Veteran Studies

Host and producer, Veterans Radio, a nationwide AM program