

BEN BINDER, PH.D.

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Passionate and versatile developer, designer, and educator, seeking to apply extensive e-learning and web development expertise to a new career as a full-stack engineer.

CORE SKILLS

- **Certified full-stack software engineering skills** with experience on LAMP and MERN stacks.
- **Collaborative experience** working on software development teams using the AGILE methodology.
- **5+ years of developer experience** designing online games and assessment tools for education.
- **7+ years of classroom teaching experience** as a STEM instructor in higher education.

WORK EXPERIENCE

Principal Scientist, BioSim Innovations 2022-present
Brooklyn Park, MN

Currently implement web-based, responsive tools for streamlined management of lab inventory and project organization. Also develop experimental protocols with R&D staff and manage BioSim's quality system.

Assistant Professor, Augsburg University 2018-2022
Minneapolis, MN

Designed and taught a wide range of courses for adult learners, from first-year survey courses to the university's upper-division biochemistry sequence. Specialized in developing interactive educational tools to encourage student engagement, including web-based demos, games, and practice modules.

Adjunct Professor, Concordia University 2015-2018
Saint Paul, MN

Led a variety of undergraduate STEM courses and garnered experience in curriculum development, lesson plan design, activity design, and laboratories while working closely with full-time faculty.

Postdoctoral Fellow, University of Minnesota, Twin Cities 2016-2017
Minneapolis, MN

Built and refined new computational models of muscle protein complexes. Developed advanced programming skills in a variety of languages, including Python, MATLAB, Tcl/Tk, and JavaScript.

EDUCATION

Bootcamp Certificate, Full Stack Web Development 2023
University of Minnesota, Twin Cities, MN

Ph.D., Biochemistry, Molecular Biology, and Biophysics 2016
University of Minnesota, Twin Cities, MN

B.A., Chemistry and Mathematics 2011
St. Olaf College, Northfield, MN

AWARDS AND HONORS

CTL Scholarship Grant for interactive content development 2022
Augsburg University, Minneapolis, MN

Training Research Educators in Minnesota IRACDA Fellowship 2017
University of Minnesota, Twin Cities, MN

