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EDUCATION

- Graduate Coursework/Research, Statistics/Water Resources Engineering, University of Iowa
- MS (2010) Civil Engineering, Washington State University
- BS (2009) Civil Engineering; Minor, Municipal Engineering; Michigan Technological University

EXPERIENCE

- **May 2020 – Present:** Senior Hydraulic Engineer for Statistical and Hydrologic Analysis; USACE Hydrologic Engineering Center, Davis, CA; Hydrology and Statistics Division.
- **Aug 2019 – Nov 2019:** Chief, H&H Technology Division (Detail Assignment)
- **Feb 2017 – May 2020:** Senior Hydraulic Engineer; USACE Hydrologic Engineering Center, Davis, CA; H&H Technology Division. Statistical methods, hydrometeorology, and hydrologic modeling. Team member, HEC-HMS, HEC-SSP
- **Sep 2014 – Feb 2017:** Civil Engineer (Hydrologic); USACE Risk Management Center, Denver, CO. Statistical methods, Dam and Levee Safety Programs
- **Apr 2014 – Dec 2014:** Research Assistant; IIHR, University of Iowa, Iowa City, IA. Long-term forecasting of crop loss hazard for insurance
- **Jan 2011 – Sep 2014:** Civil Engineer (Hydraulic); USACE Rock Island District, Rock Island, IL; Hydrologic Engineering Section. Hydrologic and hydraulic modeling, GIS, floodplain management, planning
- **Jul 2005 – Aug 2008:** Engineering Intern; Village of Buffalo Grove Public Works Department, Buffalo Grove, IL. Surveying, GIS, stormwater management.

TECHNICAL SPECIALTIES

- Mathematical statistics
- Risk and reliability
- Atmospheric science
- Extreme flood hydrology
- Floodplain management
- Hydrologic modeling

PROFESSIONAL REGISTRATIONS, AFFILIATIONS, and AWARDS

- Professional Engineer (Civil), Illinois, 2014
- Professional Hydrologist, American Institute of Hydrology, 2014
- Certified Floodplain Manager, Association of State Floodplain Managers, 2011
- Member AGU, AIH, ASFPM, IAFSM