



US Army Corps of Engineers

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EDUCATION

MS (2010) Civil Engineering, Washington State University, Pullman, WA
BS (2009) Civil Engineering, Michigan Technological University, Houghton, MI
Post-Masters Graduate Studies, Statistics/Hydrology, University of Iowa, Iowa City, IA

EXPERIENCE

Oct 2022 – June 2023: Chief, Hydrology and Statistics Division (Detail Assignment)

Feb 2017 – Present: Civil Engineer (Hydraulic); USACE Hydrologic Engineering Center, Davis, CA; Hydrology and Statistics Division. Statistical methods, hydrometeorology, and hydrologic modeling. Team lead, HEC-HMS.

Aug – Nov 2019: Chief, H&H Technology Division (Detail Assignment)

Sep 2014 – Feb 2017: Civil Engineer (Hydrologic); USACE Risk Management Center, Western Division, Lakewood, CO. Statistical methods, Dam and Levee Safety Programs.

Apr – Dec 2014: Research Assistant, IIHR, Iowa City, IA. Statistical modeling, hydrometeorology.

Jan 2011 – Sep 2014: Civil Engineer (Hydraulic); USACE Rock Island District, Rock Island, IL; Hydrologic Engineering Section. Hydrologic, hydraulic, and reservoir modeling, climate change impacts analysis, GIS, floodplain management, planning.

TECHNICAL SPECIALTIES

Statistics and probability, hydrometeorology, atmospheric science, extreme flood hydrology, hydrologic modeling.



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PROFESSIONAL REGISTRATIONS. AFFILIATIONS. and AWARDS

2022 – Institute for Water Resources

Scientific/Technical Award of Excellence

2022 – Hydrologic Engineering Center

Team of the Year (team award): CA DWR DSOD Support Team

2021 – Institute for Water Resources

Team of the Year (team award): NRC PFHA Riverine Pilot

2020 – Institute for Water Resources

Product of the Year (team award): HEC-HMS

2019 – Hydrologic Engineering Center

Team of the Year (team award): CRB Hydrology PDT

2018 – Institute for Water Resources

Team of the Year (team award): Trinity River IES PDT

2018 – Hydrologic Engineering Center

Scientific/Technical Award of Excellence (shared)

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, Tau Beta Pi, Chi Epsilon

NWS SKYWARN Storm Spotter