

# Corey Joseph Poland

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Objective: To utilize my analytical problem solving and design skills to manage water supply, wastewater, and stormwater projects - helping people and the environment.

## Education

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University of Wisconsin, *Madison, WI, USA* July 2016 to Aug. 2018

**Master of Science:** Civil and Environmental Engineering

Research: Modeling the hydrology/hydraulics and the assessment of vegetated compost blankets

University of Minnesota, *St. Paul, MN, USA* **Bachelor of Science** Sept. 2007 – May 2011

University of Natural Resources and Life Sciences, *Vienna, Austria* Feb. 2010 – July 2010

Coursework: Environmental Eng., Hydrology, Fluid Mechanics, Watershed Eng., Hydrogeology, Special Topics in Hydrology (Hydroecology), Unsaturated Soil Geoengineering, Field Methods

## Work Experience

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Murraysmith, *Everett, WA, USA* Jan. 2019 - present

### Engineering Designer

- Evaluate conditions of water storage reservoirs and facilities
- Design stormwater management, water and wastewater treatment, water distribution systems

University of Wisconsin, *Madison, WI, USA* July 2016 – May 2018

**Teaching Assistant**, Civil and Environmental Engineering 311: Hydrosience

- Taught and created/graded homework, quizzes, and exams for three 2-hr discussions
- Topics: watersheds, streamflow, water budgets, rainfall, infiltration, runoff, unit hydrograph, evapotranspiration, reservoirs, probability/statistics, economics, open channel, groundwater

Work experience in *Australia, New Zealand, and Japan* Oct. 2014 – May 2016

**Farm Worker, Sales Support/Accounts Payable, Landscaper, Server**

Capitol Region Watershed District, *St. Paul, MN, USA* March 2012 – Sept. 2014

### District Permit Inspector

- Reviewed Stormwater Pollution Prevention Plans and proposed amendments
- Conducted site visits and enforced erosion and sediment control permits (NPDES)
- Managed permit closeouts for old and current projects - coordinated with property owners
- Modelled BMPs with HydroCAD software

**Water Resource Technician** (started as intern)

- Installed, operated, and maintained stormwater monitoring sites (ISCO samplers), managed and analyzed flow and chemistry data, and co-authored water monitoring reports
- Authored Quality Assurance/Quality Control Plan for monitoring program

University of Minnesota, *Twin Cities, MN, USA*

**Undergraduate Researcher**, Department of Soil, Water, and Climate Sept. 2010 – Jan. 2011

## Software/Programming Fluency

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Excel, Word, Access, RStudio, COMSOL, MATLAB, HydroCAD, ArcGIS, Flowlink, Civil 3D, Hydrus

## Awards, Honors, and Certifications

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Certified **Engineer in Training** in the State of Washington

American Institute of Hydrology **Certified Hydrologist in Training**

Completed University of Minnesota **Watershed Specialist Training Program**

Boy Scouts of America: **Eagle Scout**