

**Curriculum Vitae**



**SPECIALTIES:**

- \* Drownings and other injuries related to aquatics: swimming pools and equipment, aquatic amusement rides, waterslides, natural bodies of water, water parks, spas, and therapy pools; Accident Reconstruction
- \* Swimming pool, spa, and related equipment design, construction, operation, failure analysis, construction defects
- \* Aquatic codes and standard of care

**EDUCATION:**

Bachelor of Science in Civil Engineering  
Minor in Business Administration  
Loyola Marymount University (LMU)  
Los Angeles, California – 2007

**PROFESSIONAL CERTIFICATIONS:**

- \* Aquatic Facility Operator (AFO) (Not Current) – NRPA
- \* Certified Pool/Spa Operator (CPO) (Not Current) – NSPF
- \* Open Water Diver (Current) – SCUBA Schools International (SSI)
- \* Lifeguarding / First Aid / CPR / AED (Current) – American Red Cross
- \* Lifeguard Management (Current) – American Red Cross
- \* First Aid for Public Safety Personnel (Title 22) (Current) – American Red Cross
- \* Administering Emergency Oxygen (Current) – American Red Cross

**PROFESSIONAL ENGINEERING REGISTRATIONS:**

Arizona	55195	08/2013
California	79796	06/2012
Colorado	47019	12/2012
Florida	87021	03/2019
Hawaii	18440	04/2019
Idaho	18453	03/2019
Indiana	12000199	03/2020
Montana	63282	04/2020
Nevada	26407	03/2019
New Jersey	GE59348	05/2023
North Carolina	054604	07/2022
Oklahoma	30881	01/2019
Oregon	92425PE	07/2017
Texas	131362	07/2018
Washington	57164	12/2018
Wyoming	PE 19135	06/2022
NCEES	12-709-99	

**EXPERIENCE:**

- \* *President of Rowley & Reynolds Forensic Engineering, Inc. specializing in swimming pools, related equipment, accident reconstruction of drowning, and other injuries related to swimming pools, pool equipment, or natural bodies of water.*
- \* *Registered professional engineer specializing in the design of public / commercial swimming pools, wading pools, spas, and related equipment.*
- \* *2015 – 2019, Department Manager of Aquatics at Terracon Consultants, Inc. overseeing aquatic design staff in multiple offices/states and responsible for all aquatic projects within Terracon. As a Terracon certified Authorized Project Reviewer responsible for risk management, quality control on project-related design deliverables, and assisting Project Managers in managing projects schedules and budgets. Terracon Consultants, Inc. is one of the nation's largest engineering consulting firms with 140+ Offices and 4,000+ employees. Terracon is 100% Employee Owned and gross revenue for 2018 was more than \$700 Million. The Aquatics Department within Terracon is recognized as one of the fastest growing*

*in the Aquatics Industry with more than 50% growth in gross revenue from 2017 to 2018. Gross Revenue for the Aquatics Department grew from \$800,000 in 2015 to \$1.85 Million in 2018.*

- \* *2007 – 2015, Studio Director at Counsilman-Hunsaker & Associates overseeing the Mountain Region Studio. Responsibilities included but not limited to the following: marketing and business development for project pursuits, acting as the main point of contact throughout a project, managing project-related coordination externally with other entities and internally with the project team, and maintaining project quality control on all related design deliverables and engineering calculations. The Mountain Studio consisted of (11) states including Colorado, Arizona, Nevada, Idaho, Montana, Wyoming, New Mexico, North Dakota, South Dakota, Nebraska, and Iowa. Counsilman-Hunsaker is a leading national commercial aquatic design and engineering firm founded in 1970 and headquartered in St. Louis with several offices in multiple states.*
- \* *University of Colorado at Boulder, Head Coach Men's Club Water Polo; Rocky Mountain Conference Coach of the Year; 2014 CWPA Division I Club Championships 7th Place Team (2014)*
- \* *Northgate High School – Assistant Coach Men's Varsity Water Polo (2016 – 2019)*
- \* *From 2003 – 2007, was a member of the Loyola Marymount University NCAA Division 1 Men's water polo team. Second Team All-WWPA Conference in 2005 and 2006. Team member of the Student Athlete Advisory Committee (SAAC) and student athlete representative for the Athletic Advisory Board (AAB).*
- \* *LMU Aquatics Camp Counselor – Swimming and Water Polo (2004-2006)*
- \* *Lifeguard and Swim Instructor – Green Meadow Community Association (2003, 2004)*
- \* *Lifeguard and Swim Instructor – City of Palo Alto (2001, 2002)*

Mailing Address:

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Office:

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Palos Verdes Estates, CA 90274-2755  
www.rowleyreynolds.com

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**TRAINING:**

Terracon Consultants, Inc.:

- \* Fundamentals of Project Management (FOPM) Course and Certification
- \* Authorized Project Reviewer (APR) Course and Certification
- \* Major Project Pursuit Workshop

**REPRESENTATIVE PROJECT EXPERIENCE:**

- \* Hearst Castle, Neptune Pool Restoration – San Simeon, CA
- \* Medford Aquatic Center and Water Park – Medford, OR
- \* 109th Street Park – City of Los Angeles
- \* Gaffey Street “Hey Rookie” Pool – City of Los Angeles
- \* Hollywood Recreation Center – City of Los Angeles
- \* Woodland Hills Recreation Center – City of Los Angeles
- \* Castaic Aquatic Center 50-meter Phase II – Los Angeles County
- \* Fort Moore Memorial Fountain Restoration – Los Angeles County
- \* Menlo Gateway Hotel – Menlo Park, CA
- \* Peninsula Golf and Country Club – San Mateo, CA
- \* Grizzly Ranch Outpost – Portola, CA
- \* Cowell Community Swimming Pool Renovation – Concord, CA
- \* Robert Livermore Aquatic Center Renovation – LRPD
- \* Los Alamitos High School Aquatic Center – Los Alamitos, CA
- \* City of Rifle Aquatic Center – Rifle, CO
- \* La Quinta High School – Garden Grove Unified School District
- \* Pacifica High School – Garden Grove Unified School District
- \* University High School / Westside Family YMCA – LAUSD
- \* Burlingame High School Aquatic Center Replacement – SMUHSD
- \* Aragon High School Swimming Pool
- \* Capuchino High School Swimming Pool
- \* Hillsdale High School Swimming Pool
- \* Mills High School Swimming Pool
- \* San Mateo High School Renovation
- \* Novato High School
- \* Purdue University Recreational Center – West Lafayette, IN

- \* Malcolm X College and School of Health Sciences Complex – Chicago, IL
- \* Santa Margarita Catholic High School
- \* Emeryville High School and Community Center
- \* UC Davis Outdoor Recreation Aquatic Center – Davis, CA
- \* UCLA Football Performance Center
- \* UCLA Basketball Practice Facility
- \* University of Southern California
- \* Cuesta College Aquatic Center – San Luis Obispo, CA
- \* Stanly Ranch – Napa, CA
- \* Gale Ranch Amenity Center – Livermore, CA
- \* Claremont Hotel Spa and Wellness Center – Berkeley, CA
- \* 415 Mission Street Elevated Spas and Wellness Center – San Francisco, CA
- \* Burgess Memorial Pool – Castle Rock, CO
- \* Philip Miller Park Fieldhouse – Castle Rock, CO
- \* Fruita Recreation Center – Fruita, CO
- \* George Washington High School – Denver, CO
- \* La Alma Aquatic Center – Denver, CO
- \* Loveland High School – Fort Collins, CO
- \* Clear Creek Metropolitan Recreation Center – Idaho Springs, CO
- \* Denver Citywide Aquatic Facility Condition Assessments – CO
- \* University of Colorado at Denver, Aurora Campus – CO
- \* Green River High School – WY
- \* University of Wyoming – Laramie, WY
- \* Glenrock Recreation Center – WY
- \* White Pine County – Ely, NV
- \* Northern Arizona University
- \* University of Nebraska at Omaha – NE
- \* Millard North High School – Omaha, NE
- \* Roosevelt Park Addition – Rapid City, SD
- \* Horace Mann Park – Rapid City, SD
- \* Midco Aquatic Center – Sioux Falls, SD
- \* City of Spokane Neighborhood Pools (7)
- \* University of Puget Sound – WA
- \* University of Redlands Aquatic Center Renovation – Redlands, CA
- \* Hart Residence Pool and Spa – Atherton, CA

**PRESENTATIONS:**

- \* NorCal Facilities Group Meeting “Aquatic Facilities Engineering and Forensics”. Online Conference. August 2021
- \* Southern California Facility Officers Conference “Aquatic Facilities Engineering and Forensics”. Online Conference. July 2021
- \* National Drowning Prevention Alliance’s National Water Safety Conference “Common Factors in Drowning Incidents” (with William Rowley, PhD, PE) Online Conference. April 2020
- \* National Academy of Forensic Engineers “Suction Entrapment in a Natural Body of Water” (with William Rowley, PhD, PE) San Diego, CA. January 2020
- \* Construction Specification Institute: Inland Empire Chapter “Pool Mechanical Room and Public-School Case Studies” (with Karl Schultz) Rancho Cucamonga, CA. November 2019
- \* Society of Forensic Engineers & Scientists “Hair Entanglement” (with William Rowley, PhD, PE) Berkeley, CA. November 2018
- \* Hotel Council of San Francisco – Sustainability Committee “Spa Redesign to Maximize Energy Efficiency and Water Conservation” San Francisco, CA. September 2017
- \* NIRSA Aquatics Institute “Your Pool Needs Re-Creating: How Today’s Requirements Affect Tomorrow’s Facilities” (with Doug Cook, PE) Denver, CO. October 2013

**MEMBERSHIPS:**

- \* American Society of Civil Engineers (ASCE), San Francisco Chapter
- \* National Society of Professional Engineers (NSPE)

**COMMUNITY ACTIVITIES:**

- \* Board Member of Lions Water Polo Alumni Association – LMU
- \* Assistant Coach at Northgate High School Men’s Varsity Water Polo

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**PUBLICATIONS:**

- \* "Interior Splendor: Part 4 of 4 Restoring Hearst Castle's Neptune Pool." Watershapes (Online). September 2018.
- \* "Beneath the Shell: Part 3 of 4 Restoring Hearst Castle's Neptune Pool." Watershapes (Online). August 2018.
- \* "Restoring an Icon: Renovating the Historic Hearst Castle Neptune Pool." Terracon Delivering Success Newsletter. Summer 2018.
- \* "Cold Comfort: Designing and Constructing Pools in Cold Weather." (with Doug Cook, PE) Athletic Business. August 2011.

Expert Not Retained

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