Jeramy Jasmann
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- **Self-motivated, well-organized and results-oriented** with key strengths in building and maintaining collaborative long-term relationships with clients and/or stake holders;
- **conscientious, efficient, team player with a strong work ethic**; adept at establishing priorities, managing multiple projects, and meeting deadlines;
- polished oral communication skills and experienced in scientific authorship and documentation; **experience managing budgets** and prioritizing necessary expenditures;
- Strong scientific foundation in biogeochemical interactions, redox-reactive fate studies , and best management practices as they pertain to environmental engineering problems for water treatment, remediation, and water use efficiency
- Proficient with Microsoft Word, Excel, PowerPoint, PTC Mathcad engineering calculations software, Chromatography and other Analytical Instrument Software

EDUCATION

- PhD Environmental Chemistry (emerging contaminants research) expected 2015
  Colorado State University, Fort Collins CO GPA 3.9
- Teaching Certifications in both Life Science and Physical Science 2001
  California State University Sacramento, *summa cum laude* GPA 4.0
- B.S. in Biochemistry, Psychology Minor 1997
  University of California at Davis, *cum laude* GPA 3.5

WORK HISTORY & RELATED EXPERIENCE

- **City of Fort Collins Water Treatment Plant** summer 2013-present
- **Graduate Research Assistant** (Emerging Contaminants), *Colorado State Univ.* 2011-present
- **Chemistry and Environmental Science Teacher**, *Poudre HS & Hiram Johnson HS* 1999-2011
- **Sales Representative**, *Vision Service Plan* 1998-1999
- **Irrigation Pump Repairs**, *Alexander's Electric Motor Shop* (family business) 6+ years
- **Related coursework**: SOCR 567 Environmental Soil Chemistry, ESGN 591 Introduction to National Environmental Policy Act, CIVE 638 Groundwater Quality and Contamination Transport, CIVE 440 Nonpoint Source Pollution

Water Research Experience ……..……

- Graduate research project: produced, characterized and optimized TiO_2 pellet inter-electrode catalyst and constructed bench-scale electrolytic column reactors to **successfully treat persistent aqueous emerging contaminants** of concern (tested on 1,4-dioxane, a co-solvent of VOCs)
  - ✓ able to work independently and as part of a team to complete project goals on time and ensure continued funding from my corporate sponsors G.E. and DuPont (2011-present)
- Natural Resource & Ecology Lab Internship: investigated silica-based phytoliths as **biological tracers of hydrological flow paths**; conducted field research in Costa Rica and analytical work back at Colorado State University Fort Collins (2010)
- Organized and managed a volunteer student group to **monitor water quality** on the Poudre River as a supervisor in Colorado River Watch program (2009-2011)

Water Resources and Contaminant Fate and Transport Knowledge …….

- Attended Public Officials Certificate Program for **Water and Wastewater Treatment Operations**, *American Water Works Association*. ACE13 2013.
- Presented public literature seminar on **Analysis of disinfection byproducts (DBPs) caused by water treatment**; specifically focused on organic precursors and control strategies for formation of Nitrosamines.
- **Related coursework**: ESGN 591 Introduction to National Environmental Policy Act, CIVE 638 Groundwater Quality and Contamination Transport, CIVE 440 Nonpoint Source Pollution, SOCR 567 Environmental Soil Chemistry.

Supervisory and Leadership Experience ……..….

- **Managed financial budget** and facilitated meetings as Science Department Chair
- **Managed LLC** for real estate investments with a budget near $1 million
- **Elected to Poudre Education Board,** serving as treasurer and conflict liaison with emphasis on **defining budget priorities**, **negotiating contractual agreements and resolving grievances** with Poudre School District management on behalf of all teachers in the district
- **Served as Chemistry Curriculum Committee Chair** in co-authoring district documents to meet new state standards and training teachers on effective implementation of the curriculum
- **Supervised and mentored** student teachers to become productive education professionals
- **Founder and advisor** of the Poudre Environmental Club which actively monitored water quality of local rivers, developed community garden plots, and coordinated many events to promote sustainable living practices (e.g. behavior modification campaigns successfully reduce the electricity usage by 7-10% each year for 3 years)

PROFESSIONAL ASSOCIATIONS AND AWARDS

- Professional Associations: American Chemical Society, American Water Works Assn., WateReuse Assn., Sustainable Remediation Forum, National Groundwater Assn., Trees Water & People, Sierra Club
- Chemistry recipient in Poudre School District **of National Science Foundation's STEM/GK-12 fellowship ($8000 over 2 years)** collaborating with Colorado State University to make graduate level research accessible and engaging to high school students.
- Personally awarded grant funding from **Caring for Our Watershed Project** ($1000), GO3 Foundation Ozone Monitoring Grant ($4500), Whole Foods Schools Grant ($3700), Sacramento Municipal Utility District Energy and Education Grant ($250) for environmental projects.
- Achieved **100% success rate** for my students passing national AP Environmental Science Exam; achieved **100% of revenue and business development goals** while at Vision Service Plan

PRESENTATIONS AND AUTHORSHIPS

Jasmann, J.; Borch, T.; Sale, T.C.; Blotevogel, J. Electrolytic degradation of 1,4-dioxane catalyzed by titanium dioxide pellets in the absence of light. In preparation.

Jasmann, J.; Borch, T.; Sale, T.C.; Blotevogel, J. "Electrolytic degradation of aqueous contaminants catalyzed by novel titanium dioxide pellets." Aug. 19-21, 2014. Iowa City, Iowa. Presented at *EmCon 2014 – 4th International Conference on Emerging Contaminants in the Environment.*

Lenker, C.; Harclerode, M.; Aragona, K.; Fisher, A.; Jasmann, J.; Hadley, P. Integrating groundwater conservation and reuse into remediation projects. *Remediation Journal*. Spring 2014. DOI: 10.1002/rem.21389

Jasmann, J.; Borch, T.; Sale, T.C.; Blotevogel, J. "Electrolytic degradation of 1,4-dioxane catalyzed by titanium dioxide pellets." March 16-19, 2014. Dallas, Texas. Presented at *Conference of the American Chemical Society.*

Hadley, P.; Keddington, P.; Jasmann, J., et al. Groundwater Conservation and Reuse at Remediation Sites. *Sustainable Remediation Forum (SURF)*. January 2014. http://www.sustainableremediation.org (last visited September 2014)

Jasmann, J.; Borch, T.; Sale, T.C.; Blotevogel, J. "Catalyzed electrolytic degradation of 1,4-dioxane in contaminated water". March 25-27, 2013. Fort Collins, CO. Presented at *33rd Annual American Geophysical Union Hydrology Days*.

Jasmann, J.; Borch, T.; Sale, T.C.; Blotevogel, J. "Non-aqueous media technologies for treatment (desorption and degradation) of hydrophobic contaminants such as PCBs". June 12-14, 2012. Guelph, Ontaria Canada. Presented at *University Consortium for Field-focused Groundwater Contamination Research.*

Jasmann, J.; Borch, T.; Sale, T.C.; Blotevogel, J. March 21-23, 2012. Fort Collins, CO. "Reductive dechlorination and desorption of hydrophobic contaminants in non-aqueous media." Presented at *32nd Annual American Geophysical Union Hydrology Days*.

Jasmann, J. Application and chemical properties of polymers. *Teach Engineering.* August 2012. www.teachengineering.org

Jasmann, J. Process oriented, guided-inquiry learning (POGIL) approach to teaching high school chemistry. Spring 2011. *High School POGIL Initiative.* Multiple online publications of classroom lesson plans at www.pogil.org/high-school/hach.

Guest speaker on a panel to highlight work done by our environmental club on PSD's Resource Conservation and Sustainability Video Series (Channel 10) www.psdschools.org/about-us/district-operations/sustainability/sustainability-video-segments.