KENDALL SHERRIN

Analytical Chemist | Data Analyst | Software Developer

PERSONAL PROFILE

I am a trained analytical chemist looking to transition into a purely software and data oriented role.

I possess an extremely wide array of skills and experience - gained from working in isolated and challenging environments.

I pride myself on an extremely high attention to detail and completing all my work to highest possible standards. I have excellent written and oral communication skills and work well individually or in collaborative team environments.

AREAS OF EXPERTISE

- Data processing, wrangling and cleaning
- Python software development
- Web application development using JS/TS and Python technologies
- Machine learning and neural networks
- Colourmetric analytical chemistry
- Remote field work project management
- Leading small teams to deliver data or instrument products
- Ability to deliver on deadlines while in adverse conditions, i.e. RV Investigator

CONTACT

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RELEVANT CAREER HISTORY

Hydrochemist (2015 - Present)

Oceans & Atmosphere and National Research Collections, CSIRO
Hobart, Tasmania

Roles and Responsibilities:

- Undertake chemical measurements of seawater in a challenging open ocean ship-based laboratory
- Engineer innovative and novel software solutions to increase data processing efficiency or standardise data quality
- Complete highly technical and scientific write-ups for peer reviewed publications
- Produce journal quality visualisations using a range of oceanographic data sources
- Write clear manuals and support documentation for software, datasets and instrumentation
- Extensive collaboration with many teams to deliver on both internal and external client projects
- Lead and undertake the proposal and planning of a voyage scheduled aboard RV Investigator in 2022

Achievements & Notables while at CSIRO:

- Advanced Python course
- Measurement Uncertainty and Advanced Statistics course
- Presentation and poster at AMOS 2019
- CSIRO Ready to Lead leadership course
- Corporate recognition of efforts for Macquaire Harbour project
- Acting team leader as needed

References available upon request

ACADEMIC BACKGROUND

University of Tasmania

BA Science (Analytical Chemistry) | Jan 2013 - Nov 2015

- Minor in Biochemistry
- Significant focus on statistics and applied data analysis
- Independent 3rd year project on paper-based microfluidics for instant blood testing

PERSONAL INTERESTS

Hiking, Computer Hardware, Drones, Kayaking, Artificial Intelligence applications

RECENT PUBLICATIONS

"Methods for reproducible shipboard SFA nutrient measurement using RMNS and automated data processing" (Limnology and Oceanography)