Jorrit H. Poelen

PROFESSIONAL PREPARATION

Institution	**Major/Area**	**Degree, Year**
Groningen University, the Netherlands	Experimental Physics	M.Sc., 2000

APPOINTMENTS

2008-Present	Freelance Software Engineer, Berkeley/Oakland, CA
2012-2013	Assistant Director, Translational Informatics Program, UCSF
2011-2012	Software Engineer, Pandora Media Inc., Oakland, CA
2010-2011	Software Engineer, Xoom Inc., San Francisco, CA
2006-2008	Software Engineer/ Team Lead, GE Healthcare, Barrington, IL
2002-2006	Software Engineer, GE Healthcare Zeist, the Netherlands
2001-2002	Software Engineer, Tekadence Inc., San Francisco, CA
1999-2001	Research Associate, School of Optometry, UC Berkeley

5 MOST RELATED PRODUCTS AND/OR PUBLICATIONS

Poelen, J. H., Simons, J. D., and Mungall, C. J. (2014). Global Biotic Interactions:An open infrastructure to share and analyze species-interaction datasets.EcologicalInformatics, 24:148–159

Thessen, A. E., **Poelen, J. H.**, Collins, M., and Hammock, J. (2018). 20 GB in 10 minutes: a case for linking major biodiversity databases using an open socio-technical infrastructure and a pragmatic, cross-institutional collaboration. PeerJ Computer Science, 4:e164

Gruss, A., Palomares, M. L., **Poelen, J. H.**, Barile, J. R., Aldemita, C. D., Ortiz,S. R., Barrier, N., Shin, Y.-J., Simons, J., and Pauly, D. (2019). Building bridges between global information systems on marine organisms and ecosystem models. Ecological Modelling, 398:1 – 19

Hardisty, A. R., Michener, W. K., Agosti, D., Garca, E. A., Bastin, L., Belbin, L., Bowser, A., Buttigieg, P. L., Canhos, D. A., Egloff, W., Giovanni, R. D., Figueira, R., Groom, Q., Guralnick, R. P., Hobern, D., Hugo, W., Koureas, D., Ji, L., Los, W., Manuel, J., Manset, D., **Poelen, J. H.**, Saarenmaa, H., Schigel, D., Uhlir, P. F., and Kissling, W. D. (2019). The bari manifesto: An interoperability framework for essential biodiversity variables. Ecological Informatics, 49:22 – 31

Elliott, M.,**Poelen, J. H.**, and Fortes, J. (2020). Toward reliable biodiversity dataset references (accepted, preprint: https://doi.org/10.32942/osf.io/mysfp)

5 OTHER SIGNIFICANT PRODUCTS AND/OR PUBLICATIONS

Pauli, J. N., Newsome, S. D., Cook, J. A., Harrod, C., Steffan, S. A., Baker, C. J. O., Ben-David, M., Bloom, D., Bowen, G. J., Cerling, T. E., Cicero, C., Cook, C., Dohm, M., Dharampal, P. S., Graves, G., Gropp, R., Hobson, K. A., Jordan, C., MacFadden, B., Pilaar Birch, S., **Poelen, J. H.**, Ratnasingham, S., Russell, L., Stricker, C. A., Uhen, M. D., Yarnes, C. T., and Hayden, B. (2017). Opinion: Why we need a centralized repository for isotopic data. Proceedings of the National Academy of Sciences, 114(12):2997–3001

Gallagher, R. V., Falster, D. S., Maitner, B. S., Salguero-Gómez, R., Vandvik, V., Pearse, W. D.,

Schneider, F. D., Kattge, J., **Poelen, J. H.**, Madin, J. S., Ankenbrand, M. J., Penone, C., Feng, X., Adams, V. M., Alroy, J., Andrew, S. C., Balk, M. A., Bland, L. M., Boyle, B. L., Bravo-Avila, C. H., Brennan, I., Carthey, A. J. R., Catullo, R., Cavazos, B. R., Conde, D. A., Chown, S. L., Fadrique, B., Gibb, H., Halbritter, A. H., Hammock, J., Hogan, J. A., Holewa, H., Hope, M., Iversen, C. M., Jochum, M., Kearney, M., Keller, A., Mabee, P., Manning, P., McCormack, L., Michaletz, S. T., Park, D. S., Perez, T. M., Pineda-Munoz, S., Ray, C. A., Rossetto, M., Sauquet, H., Sparrow, B., Spasojevic, M. J., Telford, R. J., Tobias, J. A., Violle, C., Walls, R., Weiss, K. C. B., Westoby, M., Wright, I. J., and Enquist, B. J. (2020). Open science principles for accelerating trait-based science across the tree of life. Nature Ecology & Evolution, 4(3):294–303

Hayden, B., Palomares, M. L. D., Smith, B. E., and **Poelen, J. H.** (2019). Biological and environmental drivers of trophic ecology in marine fishes - a global perspective. Scientific Reports, 9(1)

Simons, J. D., Yuan, M., Carollo, C., Vega-Cendejas, M., Shirley, T., Palomares, M. L., Roopnarine, P., Arenas, L. G. A., Ibañez, A., Holmes, J., Schoonard, C. M., Hertog, R., Reed, D., and **Poelen, J. H.** (2013). Building a fisheries trophic interaction database for management and modeling research in the gulf of mexico large marine ecosystem. Bulletin of Marine Science, 89(1):135–160

Kuhn, T., Meroo-Peuela, A., Malic, A., **Poelen, J. H.**, Hurlbert, A. H., Centeno Ortiz, E., Furlong, L. I., Queralt-Rosinach, N., Chichester, C., Banda, J. M., Willighagen, E., Ehrhart, F., Evelo, C., Malas, T. B., and Dumontier, M. (2018). Nanopublications: A growing resource of provenance-centric scientific linked data. In 2018 IEEE 14th International Conference on e-Science (e-Science), pages 83–92

SYNERGISTIC ACTIVITIES

- Global Biotic Interactions (GloBI, globalbioticinteractions.org), Co-founder (2013-present)
  - GloBI provides open access to finding species interaction data (e.g., predator-prey, pollinator-plant, pathogen-host, parasite-host) by combining existing open datasets using open source software.

- Open Traits Network (OTN, opentraits.org), Editor and Community Facilitator (2019-present)
  - OTN is a global, decentralised community of researchers and institutions focused on standardising and integrating trait data across all organisms.

- CETAF-DISSCO COVID19 Task Force (cetaf.org/covid19-taf-communities-taking-action), Collaborator (2020-present) -
  - A community-rooted initiative raised jointly by CETAF and DiSSCo to organize natural history collections-linked organizations from all over the world who are willing to contribute to give a scientific-led response to the COVID-19 pandemic.

- Ronin Institute for Independent Scholarship (ronininstitute.org), Research Scholar (2020-present)
  - The Ronin Institute is devoted to facilitating and promoting scholarly research outside traditional academic research institutions.

- Terrestrial Parasite Tracker project (TPT, parasitetracker.org), Collaborator (2019-present)
  - TPT is a NSF-funded project that aims to provide open data access to non-digitally and digitally captured vector and ectoparasite collections to help build a comprehensive picture of ectoparasite host-association evolution, distributions, and the ecological interactions of disease vectors to assist scientists, educators, land managers, and policy makers.