

## CHRISTIAN P. SARASON

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### SUMMARY

A software technical product manager looking for a talented team to work with and innovative product to manage, ideally using geospatial or data science methods. Success accomplished via two major strengths: technical excellence paired with a knack for communicating at all levels. Excellent team leader, facilitating effective collaboration between cross-functional groups and partners. Removes impediments and sees around corners so the development team can deliver value. SME in geospatial technology, metadata management, scientific computing and the use of Python for data processing.

Certifications: CSPO (from Agile Alliance, Mitch Lacey and Luke Hohmann). Certified Scrum Master (PSM I, scrum.org). Pragmatic Marketing Focus and Foundations.

### PROFESSIONAL EXPERIENCE

#### Technology Consultant

2016 – 2018

Freelance ([cpsarason.github.io](http://cpsarason.github.io))

Seattle, WA

- Freelance technology consulting and web development for the geospatial, data management and product management space.
- Designed and built a mobile application which can be used to assess risks and plan mitigation strategies for buying, insuring and maintaining coastal properties and infrastructure. ([www.sea-it-rise.com](http://www.sea-it-rise.com))

#### Executive Director

2014 – 2017

OceanGate Foundation ([www.opentheoceans.org](http://www.opentheoceans.org))

Seattle, WA

- Designed, built and held three tech challenges in 18 months with students from Seattle Central Community College and the University of Washington, focused on ocean exploration with human occupied submersibles. Two of the three challenge teams presented their work at national academic conferences. Led four submersible expeditions in partnership with OceanGate, Inc.

#### CONTENTdm® Technical Product Manager

2012-2015

OCLC ([www.oclc.org/en/contentdm.html](http://www.oclc.org/en/contentdm.html))

Seattle, WA (HQ in Columbus, OH)

- Empowered my development team go from infrequent, risky releases to bi-weekly predictable updates to our production system. Led root-cause analysis for software defects and customer support issues, and led weekly triage meetings to pull highest priority production issues into planning for the next sprint
- Ensured team decisions on process improvement were supported by senior management, allowing for improvements in team velocity, predictability and feature output.
- Directly managed a small product and customer support team that owned the roadmap, feature design and customer support escalations for 2000 institutional customers in the digital archives market.

#### Product Manager, Scrum Master and Scientific Programmer

2006-2012

3TIER, Inc. ([www.3tier.com](http://www.3tier.com))

Seattle, WA

- Drove multiple projects and products from initial design to launch in one of the fastest growing companies in renewable energy assessment and forecasting at the time (PSBJ Fastest 100 2007-2010; Deloitte Technology Fast 500 for 2010).
- Built a community of over 50K users from around the world interested in renewable energy who use the award winning FirstLook wind and solar assessment web application and dashboard as part of their daily work flow, including 3<sup>rd</sup> party applications developed against 3TIER's API.
- Collaborated with engineering to scale FirstLook and other products from single server installations to a dev/stage/production environment. Served as SME for geospatial technology related to 3TIER datasets.

#### Scientific Programmer

2003 – 2006

University of Washington

Seattle, WA

- Developed Puget Sound "nowcast" system by linking disparate numerical models of Puget Sound's ocean, atmosphere and rivers. Built and managed a small cluster to integrate these models and data streams.

## EDUCATION

University of Washington, *M.Sc. in Oceanography (Marine Geophysics)*

Seattle, WA

Princeton University, *A.B in Geology*

Princeton, NJ

## TECHNICAL SPECIALTIES

Agile software development and product management in renewable energy, geospatial and digital media space. Strong experience with agile product development and organizational change. Customer focused product development and excellent high-touch customer support skills. Bias towards hypothesis testing and analysis with complex data sets and workflows.

Software development with Python, MATLAB, and SQL, black box hacking with C and FORTRAN, including remote sensing and the combination of numerical modeling results with real world data. Familiar with Unity, XML, ESRI tools, WMS, WFS, WMTS, PostGIS, Postgres, MySQL, GeoJSON, JavaScript and various web mapping and CAD protocols. Experienced with VMWare, Virtual Box and Linux system administration. Experience with Schema.org, Linked Data and semantic web concepts.

## PROFESSIONAL ASSOCIATIONS AND INTERESTS

Member of Scrum Alliance (CSPO), Scrum.org (PSM I), Product Management Consortium, American Geophysical Union, Marine Technology Society, and Sigma Xi. Pragmatic Marketing Alumni (Focus and Foundations). Advocate for citizen science and data collection, Tufte-style information design, kite powered vehicles and deep sea submersibles.

## SELECTED PUBLICATIONS

- Yassin Bahid, Nam Nguyen, Tri Liu, Adonay Amsalu, and Christian P. Sarason. 2016. "Building the Medusa 360". Proceedings from OCEANS 2016 MTS/IEEE Conference, Monterey, CA.
- William Winn, Frederick Stahr, Christian Sarason, Ruth Fruland, Peter Oppenheimer, and Yen-Ling Lee. 2006. "Learning Oceanography from a Computer Simulation Compared with Direct Experience at Sea". *Journal of Research in Science Teaching*. 43 (1): 25-42.
- Kathleen Edwards, Mitsuhiro Kawase, and Christian P. Sarason. 2007. "Circulation in Carr Inlet, Puget Sound, during Spring 2003". *Estuaries and Coasts: Journal of the Estuarine Research Federation*. 30 (6): 945.
- Solar PV Atlas: Solar Power in Harmony with Nature. 2012. World Wildlife Fund, First Solar, 3TIER, and Fresh Generation. (Christian P. Sarason, Principal Cartographer) Published by WWF, [http://awsassets.panda.org/downloads/solar\\_pv\\_atlas\\_final\\_screen\\_version\\_feb\\_2013.pdf](http://awsassets.panda.org/downloads/solar_pv_atlas_final_screen_version_feb_2013.pdf).

## SELECTED PRESS

- 2008: "Free Web Map shows where the wind blows", CNET. URL Accessed 1/30/2018: <https://www.cnet.com/news/free-web-map-shows-where-the-wind-blows/>
- 2009: "3TIER Launches FirstLook API", Utility Products. URL Accessed 1/30/2018: <http://www.utilityproducts.com/articles/2009/05/3tier-launches-firstlook-api.html>
- 2010: "3TIER Prospecting Tools Demo, AWEA 2010", Windpower Engineering & Development. URL Accessed 1/30/2018: <https://www.youtube.com/watch?v=p9tSgSGkqeo>
- 2015: "Science students take a dive under Elliott Bay", Seattle Central News. URL Accessed 1/30/2018: <https://newscenter.seattlecentral.edu/2015/04/16/science-students-take-a-dive-under-elliott-bay>