|  |  |  |
| --- | --- | --- |
| Tim Williams | | |
|  | | |
| Linked Data & Knowledge Graph architect and educator. [F.A.I.R.](https://www.go-fair.org/fair-principles/) data advocate. Over fifteen years of experience in the pharmaceutical industry and a previous ten in healthcare and environmental informatics. | | |
| **Contact**  http://localhost:8000/dev/images/email.jpg [LinkedDataTim@gmail.com](mailto:LinkedDataTim@gmail.com) http://localhost:8000/dev/images/linkedInIcon.png <https://www.linkedin.com/in/timpwilliams/> http://localhost:8000/dev/images/Twitter.png [@NovasTaylor](https://twitter.com/NovasTaylor) | | |
| **Skills**  Team Leadership  Project Management  Communications  Course Development & Instruction  Systems Validation  Data Visualization | | |
| **Software & Languages** | | |
| * RDF * OWL * SPARQL * Protégé | | * R, R Shiny * SAS * D3JS |
| **Award and Activities** | | |
| **2018 –**  **present** | Steering Committee, PHUSE Computational Science Symposium | |
| **2018** | [PHUSE Outstanding Contributor, Americas](https://www.phusenews.eu/news/wi18-outstanding-contributors) | |
| **2016** | **Best Paper**, Data Visualization. EUConnect16 | |
| **2013** | **Best Paper**, Applications and Software Development EUConnect13 | |

|  |  |
| --- | --- |
| **Projects and Workshops** | |
| **Author and Instructor**: *Let's Make a Knowledge Graph!* <http://bit.ly/learnkg>  An hands-on, interactive workshop introducing RDF Knowledge Graphs.  **Project Co-lead**: *Study Data Validation and Submission Conformance.* (Current) [https://phuse-org.github.io/SENDConform](https://phuse-org.github.io/SENDConform/). A PHUSE, FDA, Academia collaboration.  **Project Co-lead**: *Going Translational with Linked Data.* (2018-2019) <http://bit.ly/ctdasrdf>  Ontology-based modeling of clinical trials results data with conversion to RDF.  **Project Co-lead**: *RDF Data Cubes for Clinical Research & Development* (2016) <http://bit.ly/cuberdf>  **Contributor**: *Unique Identifiers for Pharma* <http://bit.ly/UIDPharma> | |
| **Publications and Presentations**  Presentation: **Knowledge Graphs: Shaping our Data Future.** Presentation to Accenture Federal Services 2020. <http://bit.ly/KGShapeDataFuture>  Presentation: **How Knowledge Graphs will Transform the Pharmaceutical Industry.** A PHUSE/Stardog webinar 2020. [http:/bit.ly/KGTransPharma](http://bit.ly/KGTransPharma)  Presentation: **Toward F.A.I.R. Pharma. PHUSE Initiatives Past and Present.** Semantics@Roche 2019; Basel. <http://bit.ly/fairpharm>  Presentation: **Knowledge Graphs for Pharma**. Pistoia Alliance, 2019. <http://bit.ly/kgpharm>  Presentation: **Semantic Web in the Pharmaceutical Industry: A Landscape of Challenges and Opportunities**. SWAT4HCLS 2018; Antwerp. <http://bit.ly/swpharm>  Williams, T. **Overcoming Resistance to Technology Change: A Linked Data Perspective.** PHUSE EUConnect 2018; Frankfurt. <http://bit.ly/eucon18>  Oliva, A. and T. Williams. **Transforming Clinical Trials with Linked Data.** PHUSE USConnect 2018; Raleigh. <http://bit.ly/uscon18>  Williams, T. and A. Oliva. **Breaking the Mould: Clinical Trials Data as RDF**. PHUSE EUConnect 2017; Edinburgh. <http://bit.ly/eucon17>  Williams, T. **Interactive Visualization of Linked Data**. ***[Best Paper, Data Visualization]*** PHUSE EUConnect 2016; Barcelona. <http://bit.ly/eucon16>  Andersen, A and T. Williams. **'Dude, where's my graph?' RDF Data Cubes for Clinical Trials Data**. PHUSE EUConnect 2015; Vienna. <http://bit.ly/eucon15>  Williams, T. **A Primer on Converting Analysis Results Data to RDF Data Cubes using Free and Open Source Tools.** PHUSE EUConnect 2014; London. <http://bit.ly/eucon14>  Williams, T. **A Guide to Deploying Subversion for Version Control of SAS Programs in the Pharmaceutical Industry**. [***Best Paper, Applications and Software Development*]** PHUSE EUConnect 2013; Brussels. <http://bit.ly/eucon13> | |
| **Work Experience** | |
| **2012 - present** | **Statistical Solutions Analyst**  *UCB Biosciences*   * New technologies for analytics and data visualization including Linked Data and Knowledge Graph development, R, R Shiny, UCB R Interest Group. |
| **2008 - 2012** | **Applications Manager**  *UCB Biosciences*   * Systems selection, validation, and support for Global Statistical Programming. |
| **2002 - 2008** | **System Administrator**  *PRA Health Sciences*   * SAS systems administration, validation, support of 250+ programmers. |
| ***Previous*** | **Principal SAS Programmer, Computer Systems Analyst,**  **Research Associate (Epidemiology)** |
| **Education**  **BSc., MSc. Biology**  *University of New Brunswick, Canada*  President, UNB Biology Society | |