

ANDRÉ CASTRO

(he/they)

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WORK POSITIONS

2022- **Tailbone** (sex-positive and queer shop) - collaborator.

Logistics and customer support, pop-ups and radio show – Tailbone Talks – production

2022-2022 - Senior Data Scientist at **Ontotext**

2020-2021 - Linked Data Engineer at **TIB**.

Implementation of technical infrastructure for knowledge graphs and scientific data management systems in **confIDent**, **NFDI4Chem**, **NFDI4Culture** and **Sonderforschungsbereich** projects. Contributions to ontologies in the chemistry, engineering and academic domains domains. Automated deployment and testing pipelines TIB's **Ontology Look-up Service**.

2019-2020 - Python Developer at **TVT Media/DMC**

2017-2020 - Core Tutor at **Master of Experimental Publishing** - **Piet Zwart Institute**

2014-2020 - Tutor at Willem de Kooning Academy - **Publication Station**

2014-2017 - Technical Tutor at **Master Media Design and Communication** - **Piet Zwart Institute**.

2014-2015 - Software developer for hybrid-publishing workflows at **Institute of Network Cultures**.

CONSULTANCY

2019 - **Étude #1: On Recitation** by Rana Hamadeh. For **Sonic Acts** 2019.

2019 - **Post Opera exhibition** - Exhibition light & sound playback network implementation, **Tent Rotterdam**.

2017 - Rana Hamadeh's **The Ten Murders of Josephine** - Network Design & consultancy, **Witte de With**, **Lafayette Anticipations**.

2017 - Rana Hamadeh's **The Ten Murders of Josephine** - *first iteration* - live sound processing system, **Countour Biennial**, Mechelen.

2016 - Lawrence Abu Hamdan's **Humming Bird Clock** - Back end programming, **Liverpool Biennial**.

2014 - **Rotterdam Fabric Map** - for Rotterdam's Municipality, in collaboration with GROUP A - studio for architecture.

2013 - **Winter Night's Copyright Fairytale** - coordination and soundtrack composition for the extravagant conference on free culture, as a part of **FREE!?**. Het Nieuwe Instituut, Rotterdam.

PUBLISHING PROJECTS

2016-2018 - **Warp Weft Memory** Semantic Mediawiki and server administration. Author: **Renée Turner**.

2016 - **A Radiated Book**. Part of editorial team. Publisher: **Constant**.

2014-2016 - **Beyond Social - Platform Investigating Social Art and Design**. Development of publishing workflow. Publisher: Willem de Kooning Academy.

WORKSHOP LEADER

2014-2016 - **Bibliotheca workshop** - Utrecht, Rotterdam, NYC, Maastricht, Linz.

2011 - **Tactile Noise** workshop, **WORM**, Rotterdam. **LCD**, Guimarães. **ISEA 2011**, Istanbul. **Oficinas do Convento**, Montemor-o-Novo. **Performance space**, London. **xDA hack-lab**, Coimbra.

EDUCATION

2011-2013 - MA Master Media Design & Communication, [Piet Zwart Institute](#), Willem de Kooning Academie, Hogeschool Rotterdam.

2004-2007 - BA SonicArts, Middlesex University, London.

2009-2010 - Internship, NK, Berlin.

2003-2004 - Music technologies program, Restart, Lisbon.

CERTIFICATES

- Class B Diver's license
- CPR (2017)
- Divemaster (PADI)

LANGUAGE PROFICIENCY

- **English:** Fluent
 - **Portuguese:** Native
 - **Spanish:** Conversational
 - **Dutch:** Basic
 - **French:** Basic
 - **German:** Basic
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TECHNOLOGICAL SUMMARY

- **Ontology repositories:**
 - [DFG-Fachsystematik Ontology](#)
 - [Academic Event Ontology](#)
 - [Machine and Tool Ontology](#)
- **Software repositories:**
 - [ontology2smw](#) - python cli to automate an RDF ontology import into Semantic Mediawiki.
 - [Semantics Prototypes](#) - Jupyter notebooks for integrating semantics in [NFID4Chem - Chemistry Consortium](#)
- **Vagrant Boxes repositories:**
 - [Fuseki Triple-store](#)
 - [CKAN](#)
 - [Semantic Mediawiki](#)
- **Programming Languages:**
 - Python (RDFLib, NLTK, Flask, SQLAlchemy, Jinja2, pytest, pandas, Weasyprint, mwclient)
 - HTML, CSS, JavaScript
 - Bash
- **Databases/Triple-stores:** Fuseki, GraphDB, MySQL, MongoDB.
- **Knowledge Graphs/Ontology building:** RDF, RDFS, OWL, SKOS, SPARQL, SHACL, Apache Jena suite, ROBOT OBO Tool, Protégè, Ontology Lookup Service, TARQL.
- **Software:**
 - Data Management: CKAN, Mediawiki (with Semantic Mediawiki and Wikibase extensions)
 - Provisioning/system: Gitlab CI, Github Actions, Ansible, Vagrant, Docker, Docker Compose, nginx, Apache2, Git, Tinc VPN
 - Other: ffmpeg, Asterisk, LaTeX, Pandoc
- **Operating Systems:** Debian, Ubuntu, Mac OS.

Areas of expertise: knowledge management, knowledge graphs, ontology development, digital archives, documentation systems, devops, hybrid publishing workflows, tutoring, project coordination.