

# ANDRÉ CASTRO

(he/they)

Born in Lisbon, Portugal, 1983.

Based in Rotterdam.

[andrecaastro83@gmail.com](mailto:andrecaastro83@gmail.com)

+31 (0)6 84660870

<http://artserver.org/>

<https://github.com/andrecaastro00>

<https://www.linkedin.com/in/andre-castr0/>

## 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.

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## WORKSHOP LEADER

**2014-2016 - Bibliotecha workshop - Impakt**, Utrecht. [Radical Networks](#), New York. [Jan van Eyck Academie](#), Maastricht. [AMRO Festival](#), Linz.

**2011 - Tactile Noise workshop, WORM**, Rotterdam. [LCD](#), Guimarães. [ISEA 2011](#), Istanbul. [Oficinas do Convento](#), Montemor-o-Novo. [Performance space](#), London. [xDA hacklab](#), 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.