

Tommaso Elli

Design Researchers / Information Designer / Creative Coder

ACADEMIC EXPERIENCE

Dipartimento di Design, Politecnico di Milano

—*Postdoc researcher*

FEBRUARY 2022 - Present

Dissertation title: Research through Visualization in Literary Criticism

Dipartimento di Design, Politecnico di Milano

—*PhD student*

OCTOBER 2017 - FEBRUARY 2022

Dissertation title: Research through Visualization in Literary Criticism

VIALAB, Ontario Tech University

—*Visiting scholar*

OCTOBER 2019 - APRIL 2020

Applied research for the visualization of high sensitive qualitative data

DensityDesign Research Lab, Politecnico di Milano

—*Research assistant*

JANUARY 2016 - OCTOBER 2017

Communication design and data visualization for digital humanities

SCIENTIFIC PUBLICATIONS

Elli, T., Briones, A., Gobbo, B., Parigini, M., Giustetto, V., Cavalloro, V., & Mauri, M. (2021). Metaphors as Knowledge Activators in Data Visualizations: The case of the Archipelago of Calvino's literary works. Proceedings of Cumulus Conference Roma 2021. Cumulus, Roma. [https://cumulusroma2020.org/proceedings-files/DC\(s\)_LANGUAGES_track.pdf](https://cumulusroma2020.org/proceedings-files/DC(s)_LANGUAGES_track.pdf)

Papile, F., Santi, R., Gobbo, B., Elli, T., & Del Curto, B. (2021). Experiments on complex systems mapping around materials. Proceedings of Cumulus Conference Roma 2021. Cumulus, Roma. <https://re.public.polimi.it/retrieve/handle/11311/1186077/659313/EXPERIMENTS%20ON%20COMPLEX%20SYSTEMS%20MAPPING%20AROUND>

PRACTICAL SKILLS

Application for visual and interaction design (Adobe CC, Figma, Sketch)

Web development (HTML, CSS, Javascript, d3.js, react.js, Gatsby, GitHub, pixi.js)

Softwares for data wrangling and visualization (Open Refine, ObservableHQ, d3.js, RAWGraphs, Gephi, QGIS)

Microsoft Office

Driving license (ITA): A3 + B

LANGUAGES

Italian [mother tongue]

English [TOEIC Aug, 2012 total score 870]

ROLES

Design chair at VISAP22

REVIEWER

DH conference (2016, 2017, 2018, 2019)

Visap (2020, 2021)

Revista Diseña (2021)

Elli, T., Bradley, A., Collins, C., Hinrichs, U., Hills, Z., & Kelsky, K. (2020). **Tied in Knots: A Case Study on Anthropographic Data Visualization About Sexual Harassment in the Academy.** *2020 IEEE VIS Arts Program (VISAP)*, 29–44. <https://doi.org/10.1109/VISAP51628.2020.00010>

Benedetti, A., Elli, T., & Mauri, M. (2020). **‘DRAWING WITH CODE’: THE EXPERIENCE OF TEACHING CREATIVE CODING AS A SKILL FOR COMMUNICATION DESIGNERS.** 3478–3488. <https://doi.org/10.21125/edulearn.2020.0982>

Ciuccarelli, P., & Elli, T. (2019). **Beyond Visualization.** In H. Hotson & T. Wallnig (Eds.), *Reassembling the Republic of Letters in the Digital Age: Standards, Systems, Scholarship* (Vol. 1–1, pp. 299–314). Universitätsverlag Göttingen. <http://dx.doi.org/10.17875/gup2019-114.6>

Bortoletti, F., Gobbo, B., Elli, T., Gerbino, G., & Ciuccarelli, P. (2018). **Venezia, la ‘Festa Mobile’: Per un atlante in fieri. Luoghi, figure e forme della favola antica nel primo Rinascimento.** *La Rivista Di Engramma*, 160, 1–10.

Mauri, M., Elli, T., Caviglia, G., Ubaldi, G., & Azzi, M. (2017). **RAWGraphs: A Visualisation Platform to Create Open Outputs.** *Proceedings of the 12th Biannual Conference on Italian SIGCHI Chapter*, 1–5. <https://doi.org/10.1145/3125571.3125585>

Elli, T., Moretti, G., Sprugnoli, R., Mauri, M., Ubaldi, G., Tonelli, S., & Ciuccarelli, P. (2016). **Visualisation Strategies for Comparing Political Ideas with the ORATIO platform.** *Digital Humanities 2016. Conference Abstracts*. <http://dh2016.adho.org/abstracts/422>

Elli, T. (2015). *Oratio. Strumento visuale per il confronto del linguaggio politico* [Politecnico di Milano]. <http://hdl.handle.net/10589/109601>

RECENT PRESENTATIONS

De la création à l’édition. Les manuscrits modernes et contemporains –
Feb 18, 2022
<https://archive.is/IsbiY>
<https://dhcenter-unil-epfl.ch/en/initiatives/digital-romanistics-litteratures-cultures-et-langues-romanes-numeriques/>

2Co – From Rawgraphs to Atlante Calvino – Nov 13 2021
<https://archive.md/ozuon>
<https://web.archive.org/web/2021115214757/http://2coconference.org/>

[educational/info-design.html](https://archive.ph/4KnKo)

lightning talk vis4good
<https://archive.ph/4KnKo>

workshop RAW info+
<https://archive.ph/5blU8>

Cumulus 2020
<https://archive.md/olZ5N>

Storie di Dati-29/05/2021-Visualizzare il dato

<https://web.archive.org/web/20210802070153/https://digital-whomanities.github.io/dwho.github.io/index.html>
<https://archive.is/g4rMb>

VISAP 2020 (<https://archive.is/92MiA>)

RESEARCH ACTIVITY

RAWGraphs

DensityDesign, Calibro, INMAGIK

JANUARY 2017 - PRESENT

A design centered web-based application for data visualization

Atlante Calvino: letteratura e visualizzazione

DensityDesign, University of Geneva

SEPTEMBER 2017 - JANUARY 2021

Visual exploration of the writer's works aimed at making literary critique

The Academia is Tied in Knots

VIALAB

NOVEMBER 2019 - MARCH 2020

Visualization about to the issue of sexual harassment in the academy

DMI Schools and Sprints

Digital Methods Initiative ~ University of Amsterdam

MARCH 2014, JULY 2014, MARCH 2017, JULY 2017, JULY 2018

Participated into data sprints during summer/winter schools and research projects (Emaps, A Field Guide to Fake News)

Switzerland's Institutional Landscape 1933–1980

DensityDesign, Swiss Independent Expert Commission

JULY 2017 - MARCH 2018

Visualizations on the theme of Administrative Detention

Visualising Ambiguity Workshop

Taantlab, Aalborg University (Copenhagen)

DECEMBER 2017

Visualizing ambiguities from social networks research

Visualising Ambiguity Workshop

Taantlab, Aalborg University (Copenhagen)

DECEMBER 2017

Visualizing ambiguities from social networks research

Reassembling the Republic of Letters

COST Action IS1310

January 2016 MAY 2018

Organized two data sprints (April 2016, July 2017) and participated in action activities

The redesign of Six Degrees of Francis Bacon

Carnegie Mellon University (Pittsburgh PA)

February 2017

"Re-design sprint" set up with the founders and team members

TEACHING EXPERIENCE

DensityDesign Final Synthesis Design Studio,
Master in Communication Design, Politecnico di Milano
—*Teaching assistant*

ACADEMIC YEARS: 2016, 2017, 2018, 2020, 2021

Creative coding Elective Course,
Communication Design, Politecnico di Milano
—*Teaching assistant*

ACADEMIC YEARS: 2016, 2017, 2018, 2020, 2021

Information Designer and Data Visualization,
Scuola di formazione della Presidenza
del Consiglio dei Ministri
—*Faculty*

MAY 2019, MAY 2021

“Data Walk” workshop
(Yanni Loukissas visiting instructor),
Master in Communication Design, Politecnico di Milano
—*Teaching assistant*

MAY 2017

International Master in Business Analytics and Big Data,
Graduate School of Business, Politecnico di Milano
—*Faculty*

FEBRUARY 2017

“From Mind to Reality” workshop,
Polifactory, Politecnico di Milano
—*Teaching assistant*

MAY 2015

WORK EXPERIENCE

Freelance designer

OCTOBER 2010 - PRESENT

Printed and interactive projects for companies and research groups

WEWORK Fablab, Cantù — *Laboratory Technician*

SEPTEMBER 2015 - DECEMBER 2015

Design and digital fabrication of prototypes for local companies

FUD Factory SRL, Milan — *Digital Designer*

JANUARY 2015 - APRIL 2015

Branding projects

DensityDesign Research Lab, Politecnico di Milano — Intern

MARCH 2014 - JUNE 2014

Where I met visualization

Wanna Play Daily, Milan — Founder

FEBRUARY 2012 - JUNE 2013

Webzine about music videos. Founder

JET SRL, Seregno — Web Designer

SEPTEMBER 2011 - OCTOBER 2012

Where I met the design and development of web products

EDUCATION

Politecnico di Milano, Milano — PhD in Design

OCTOBER 2017 - PRESENT (estimate Feb 2022)

Dissertation title: Research through Visualization and Literary Critique

Politecnico di Milano, Milano — Communication Design

OCTOBER 2012 - JULY 2015

Master Degree (EQF level 7) - Grade 110L/110

Erasmus exchange at Lapin Yliopisto (Rovaniemi, Finland)

January 2014 - MAY 2014

Politecnico di Milano, Milano — Communication Design

OCTOBER 2012 - JULY 2015

Bachelor Degree (EQF level 6) - Grade 109/110

Liceo scientifico Galileo Galilei, Erba — Diploma

SEPTEMBER 2004 - JUNE 2009

Scientific high school diploma (EQF Level 4) - Grade 80/100

EXPERIENCE AS VOLUNTEER

Associazione Abilitiamo Autismo, Carugo — Founder

June 2017 - PRESENT

Realisation of a multifunctional care center for the adult person with autism spectrum disorders

Lambrock music festival, Albese con Cassano — *Founder*

June 2014 - PRESENT

Local event featuring live music and hands on workshops