

PERSONAL INFORMATION Tommaso Elli

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

Information designer, design researcher and front-end developer
Teaching is much appreciated

WORK EXPERIENCE

Feb 2022 - Ongoing

Post-doc researcher

DensityDesign Research Lab, Dipartimento di Design, Politecnico di Milano

- Management of research projects in the area of information design, information visualization and digital humanities

Business or sector Visualization Research

Oct 2019 - Apr 2020

Visiting Researcher

VIALAB, Faculty of Science, Ontario Tech University

- Management of a research project about the visualization of sensitive and qualitative data

Business or sector Visualization Research

Jan 2016 - Oct 2017

Research Assistant (assegnista di ricerca)

DensityDesign Research Lab, Dipartimento di Design, Politecnico di Milano

- Conduction of research projects in the area of information design, information visualization and digital humanities

Business or sector Visualization Research

Sep 2015 - Dec 2015

Technician Assistant

WEWORK Fablab, Enaip Factory, Cantù

- Digital fabrication, design plus development of products prototypes

Business or sector Digital Fabrication

Jan 2015 - Apr 2015

Digital Designer (internship)

FUD Factory SRL, Milan

- Design of communication design artifacts for brands

Business or sector Communication Design, Branding

Mar 2014 - Jun 2014

Information Designer (internship)

DensityDesign Research Lab, Dipartimento di Design, Politecnico di Milano

- Design of data visualizations

Business or sector Academic Research in Design

Sep 2011 - Oct 2012

Web Designer

JET SRL, Seregno

- Design and development of websites for small local companies

Business or sector Web Design

EDUCATION AND TRAINING

Nov 2017 - Feb 2022

PhD in Design

EQF level 8

Scuola di Dottorato, Politecnico di Milano

- Developed theories for designing visualizations for literary criticism.
Dissertation title *Research through Visualization in Literary Criticism, Adapting Data Visualization to Scholars' Interpretive Work*
- Designed and developed most of the visualizations of atlantecalvino.unige.ch

Oct 2019 - Apr 2020

Visiting Researcher

VIALAB, Faculty of Science, Ontario Tech University

- Developed theories for designing visualizations of qualitative and highly sensitive data
- Designed and developed the visualization on the topic of sexual harassment in university entitled *The Academia is Tied in Knots* (tiedinknots.io)

Oct 2019

Doctoral Colloquium

IEEE VIS 2019 - Vancouver

- Presented advancements of doctoral research to a panel of experts in visualization

Oct 2012 - Jul 2015

Master Degree in Communication Design - 110L

EQF level 7

Scuola del Design, Politecnico di Milano

- Acquired skills in UI/UX design, information visualization, and communication Design

Oct 2009 - Jul 2012

Laurea Triennale in Design della Comunicazione - 109

EQF level 6

Scuola del Design, Politecnico di Milano

- Acquired skills in creation of visual identity, typography and conduction of graphical projects.

Sep 2004 - Jun 2009

Diploma di Liceo Scientifico - 80/100

EQF level 4

Liceo scientifico Galileo Galilei, Erba

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

English

| UNDERSTANDING | | SPEAKING | | WRITING |
|---------------|---------|--------------------|-------------------|---------|
| Listening | Reading | Spoken interaction | Spoken production | |
| C1 | C1 | C1 | C1 | C1 |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](http://common-european-framework-of-reference-for-languages)

Communication skills

Excellent communication skills acquired in my work as design researcher and teaching assistant.

Organisational / managerial skills

Excellent organizational and managerial skills acquired in the coordination of research projects about visualization for digital humanities.

Job-related skills

- Teaching and professional experience in: Communication Design, Information Design, Data Visualization, Creative Coding, Digital Methods, Web Development
- Scientific writing
- Research design and planning
- Project planning and management

Digital skills

| SELF-ASSESSMENT | | | | |
|------------------------|---------------|------------------|--------|-----------------|
| Information processing | Communication | Content creation | Safety | Problem solving |
| Proficient | Proficient | Independent | Basic | Proficient |

Levels: Basic user - Independent user - Proficient user

[DIGITAL COMPETENCES - SELF-ASSESSMENT GRID](#)

- [proficient] Adobe CC Suite (Photoshop, Illustrator, InDesign, XD, Lightroom, Premiere)
- [proficient] UI design applications (Figma, Sketch)
- [proficient] Visual Network analysis (Gephi)
- [proficient] Data visualization tools (RAWGraphs, Tableau)
- [proficient] Data wrangling (Open Refine)
- [proficient] Web programming/markup languages: HTML, CSS, JavaScript (Node.js, React, D3.js, P5.js, PIXI.js, ObservableHQ)
- [basic] Python

Other skills

- [independent] Management of volunteering organization ([abilitiamo.org](#))
- [proficient] Visual communication for volunteering organization

Driving licence

A, B

ADDITIONAL INFORMATION

Publications:
Conference Papers

Elli, T., Bradley, A., Hinrichs, U., & Collins, C. (2022). Visualizing Stories of Sexual Harassment in the Academy: Community Empowerment through Qualitative Data. *Proceedings of DRS 2022*. Bilbao, Spain. ISBN: 978-1-91229-457-2. DOI: <https://doi.org/10.21606/drs.2022.447>

Pallacci, V., Benedetti, A., Elli, T., Spadini, E., Mauri, M., & Maggetti, D. (2022). Visualizing the genetic process of literary works [Text]. In F. Ciraci, G. Miglietta, & C. Gatto (Eds.), *Culture digitali. Intersezioni: Filosofia, arti, media*. (pp. 179-184). Alma Mater Studiorum - Università di Bologna. ISBN: 9788894253566. DOI: <https://doi.org/10.6092/UNIBO/AMSACTA/6848>

Parigini, Margherita, & Elli, Tommaso. (2022). *The Shape of Doubt: Employing data visualization to inquiry stylistic features in the narrative works of Italo Calvino*. In DH Benelux 2022 - ReMIX: Creation and alteration in DH (hybrid), 1-3 June 2022. Belval. DOI: <https://doi.org/10.5281/ZENODO.6594441>

Gobbo, B., Elli, T., Hinrichs, U., & El-Assady, M. (2022). xai-primer.com—A Visual Ideation Space of Interactive Explainers. *CHI Conference on Human Factors in Computing Systems Extended Abstracts*, 1-4. New Orleans LA USA. ISBN: 978-1-4503-9156-6. DOI: <https://doi.org/10.1145/3491101.3519880>

Mauri, M., Vantini, S., Gobbo, B., Elli, T., Aversa, E., Benedetti, A., Briones Rojas, M. D. L. A., & Colombo, G. (2022). Making posters to understand statistics: Towards a didactical approach in communication design. *Proceedings of DRS 2022*. Bilbao, Spain. ISBN: 978-1-91229-457-2. DOI: <https://doi.org/10.21606/drs.2022.597>

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*. Roma. ISBN: 978-952-64-9004-5

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*. Roma. 978-952-64-9004-5

Benedetti, A., Elli, T., & Mauri, M. (2020). "DRAWING WITH CODE": THE EXPERIENCE OF TEACHING CREATIVE CODING AS A SKILL FOR COMMUNICATION DESIGNERS. *12th International Conference on Education and New Learning Technologies*, 3478-3488. ISBN: 978-84-09-17979-4. DOI: <https://doi.org/10.21125/edulearn.2020.0982>

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. Salt Lake City, UT, USA. ISBN: 978-1-7281-8553-8. DOI: <https://doi.org/10.1109/VISAP51628.2020.00010>

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. University of Cagliari: University of Cagliari. ISBN: 9781450352376. DOI: <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*. Jagiellonian University & Pedagogical University, Kraków. ISBN: 978-83-942760-3-4. URL: <http://dh2016.adho.org/abstracts/422>

Publications: journal articles

Gobbo, B., Briones Rojas, M. D. L. A., Aversa, E., Elli, T., Benedetti, A., Mauri, M., & Colombo, G. (2022). Staging and storing data sprint-based research results: A communication design approach. *Dígitos. Revista de Comunicación Digital*, 8, 87-108. ISSN: 2444-0132. DOI: <http://dx.doi.org/10.7203/drdcd.v1i8.241>

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. Università luav di Venezia. ISBN: 8894840832. DOI: <https://doi.org/10.25432/1826-901X/2018.160.0006>

Publications: book sections

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. ISBN: 978-3-86395-403-1. DOI: <http://dx.doi.org/10.17875/gup2019-1146>

Elli, T., & Invernizzi, M. (2018a). Data visualization with RAWGraphs and AI to HTML. In Seminario de Visualización de Datos en Chile, F. Reyes, L. González, & W. Barne (Eds.), *Visdatos Santiago 2018: Primer seminario de visualización de datos en Chile* (pp. 82-83). Santiago de Chile. ISBN: 978-956-398-007-3

Elli, T., & Invernizzi, M. (2018b). Visualization in cartographic maps. In Seminario de Visualización de Datos en Chile, F. Reyes, L. González, & W. Barne (Eds.), *Visdatos Santiago 2018: Primer seminario de visualización de datos en Chile* (pp. 86-87). Santiago de Chile. ISBN: 978-956-398-007-3

Publications: theses

Elli, T. (2022). *Research through Visualization in Literary Criticism. Adaptations of data visualization to scholars' interpretive work* [Doctoral Dissertation]. Politecnico di Milano. <http://hdl.handle.net/10589/183038>

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

Seminars

(Towards) Setting your position using literature and data
Workshop at PhD Day DRS2022 (with Gobbo, B.). Bilbao. 25 Jun 2022.
Link: <https://bit.ly/3ySaA2o> - Archived: <https://archive.ph/Wluue>

Visualizzazioni dati e natura interpretativa delle materie umanistiche
Guest lecture in Trocchianesi R., *Museologia e museografia digitali del patrimonio culturale materiale e immateriale*. UniMI. 28 May 2022

Research through Design and Research through Visualization

Guest lecture in Ciuccarelli, P., *Seminars for PhD Students in Design*. 6 Apr 2022

Design Process of Roud's Genetic Networks

Talk in De la création à l'édition. Les manuscrits modernes et contemporains. Université de Genève. 18 Feb 2022. Link: <https://bit.ly/3LGyiUm> - Archived: <https://archive.is/lSbiY>

From Rawgraphs to Atlante Calvino

Talk in COmmunicating COmplexity. Università di Sassari. 13 Nov 2021
Link: <https://bit.ly/3LJeDmw> - Archived: <https://archive.md/0zu0n>

Visualizing Sexual Harassment Testimonies: Academia is Tied in Knots

Talk in Visualization for Social Good, IEEE VIS 2021. 25 Oct 2021
Link: <https://vis4good.github.io/> - Archived: <https://archive.ph/4KnKo>

Open Data Visualizations with RAWGraphs 2.0

Workshop in Information+ Conference 2021. 1 Oct 2021
Link: <https://bit.ly/3r2WtED> - Archived: <https://archive.ph/5blU8>

Visualizzare il dato

Storie di Dati. Ciclo di seminari e workshop a cura di digitalwhomanities. 29 May 2021
Link: <https://bit.ly/3j7btNb> - Archived: <https://archive.is/g4rMb>

Conferences

Visualizing Stories of Sexual Harassment in the Academy: Community Empowerment through Qualitative Data

Paper presentation at DRS2022. Track: Valuing the qualitative in design and data. Bilbao. 30 Jun 2022
Link: <https://bit.ly/3OodqCg> - Archived: <https://archive.ph/wip/SYdMw>

Visualizing the genetic process of literary works

Paper presentation at AIUCD 2022 (with Pallacci, V.). Lecce. 2 Jun 2022
Link: <https://bit.ly/3RL3wxr> - Archived: <https://archive.ph/wip/Xi651>

Metaphors as Knowledge Activators in Data Visualizations

Design Culture (of) Languages: Aesthetics, Expression, Visual. Cumulus conference. Roma. 9 Jun 2021. Link: <https://bit.ly/3r3eUzC> - Archived: <https://archive.md/olZ5N>

Tied in Knots. A Case Study on Anthropographic Data Visualization About Sexual Harassment in the Academy

VISAP 2020, IEEE VIS 2021. 29 Oct 2020
Link: <https://visap.net/2020/program.html> - Archived: <https://archive.is/92MiA>

Visualisation Strategies for Comparing Political Ideas with the ORATIO platform

Digital Humanities 2016. 15 Jul 2016
Link: <https://bit.ly/3S4ijUb> - Archived: <https://archive.ph/0gQRn>

Taught courses and workshops

Teaching assistant

Final synthesis design studio "DensityDesign" (18CFU)
Corso di Laurea Magistrale in Design della Comunicazione, Politecnico di Milano
Academic Years: 2016, 2017, 2018, 2020, 2021, 2022

Teaching assistant

Elective course "Creative Coding" (6CFU)
Corso di Laurea in Design della Comunicazione, Politecnico di Milano
Academic Years: 2016, 2017, 2018, 2020, 2021, 2022

Lecturer

Course "Doing Digital Methods" DM for social media research
Doctoral School SOAS University of London.
Jan 2022 - Mar 2022

Lecturer

Course "Information Designer and Data Visualization"
Scuola di formazione della Presidenza del Consiglio dei Ministri. Roma
May 2019 e May 2021

Lecturer

Workshop “Visualization in cartographic maps”

Visdatos Santiago 2018: primer seminario de visualización de datos en Chile
Jan 2018

Lecturer

Workshop “Data visualization with RAWGraphs and AI to HTML”

Visdatos Santiago 2018: primer seminario de visualización de datos en Chile
Jan 2018

Teaching assistant

Workshop “Data Walk” (docente esterno: Yanni Loukissas)

Corso di Laurea Magistrale in Design della Comunicazione, Politecnico di Milano
May 2017

Lecturer

Course International Master in Business Analytics and Big Data

Graduate School of Business, Politecnico di Milano
Feb 2017

Teaching assistant

Workshop “From Mind to Reality”

Polifactory, Politecnico di Milano
May 2016

**Research projects:
main projects**
Visualizing the genetic networks of Gustave Roud’s literary works

Representation of the creative process followed by Gustave Roud in the making of some of his most famous literary works (with Université de Lausanne)

Sep 2021 - Mar 2022

Link: <https://bit.ly/35SuYpT> - Archived: <https://archive.ph/7N3gT>

**Algocount. Public Perception of Algorithms in Society:
Accounting for the Algorithmic Public Opinion**

Design and implementation of PlacPlac, a digital platform to store and share data-sprint based research.

Sep 2021 - Jul 2022

Link: <https://bit.ly/3aYBcql> - Archived: <https://archive.ph/vDK0U>

Atlante Calvino: literature and visualization

Literary criticism and information design, blended together for interpretation and visualization of Italo Calvino’s work.

Sep 2017 - Jan 2021

Link: <https://atlantecalvino.unige.ch/> - Archived: <https://archive.ph/O7jEX>

RAWGraphs. A free and open source tool for data visualization

A design centered web-based application for data visualization

Sep 2016 - ongoing

Link: <https://bit.ly/3u9QQ9p> - Archived: <https://bit.ly/3u9QQ9p>

Academia is Tied in Knots

Visualizing the issue of sexual harassment in academia using qualitative data

Nov 2019 - Mar 2020

Link: <https://tiedinknots.io/> - Archived: <https://archive.ph/fVJcB>

Switzerland’s Institutional Landscape 1933-1980

Visualizing historical inquiry on the topic of administrative detention using quantitative data

Jul 2017 - Mar 2018

Link: <http://bit.ly/2Kvq9mD> - Archived: <https://archive.ph/wip/kF3UZ>

Visualising Ambiguity Workshop

Visualizing ambiguities of social networks data for new media research
(with Taantlab, Aalborg University, Copenhagen)

Dec 2017

The redesign of Six Degrees of Francis Bacon

"Re-design sprint" to improve the UI of the web portal aimed at the exploration of social networks from the past (with Cargegie Mellon University, Pittsburgh PA)

Feb 2017 - Jun 2017

Link: www.sixdegreesoffrancisbacon.com - Archived: <https://archive.ph/wip/cKdek>

Reassembling the Republic of Letters

Member of the COST Action IS1310. Organizer of members meetings (data sprint 2016 and 2017)

Jan 2016 - May 2018

Link: <https://bit.ly/3x1hnrr> - Archived: <https://archive.ph/wip/VTnMv>

Research projects: data sprints

Tracing the genealogy and change of TikTok audio memes

DMI winter school: Data critique and platform dependencies: How to study social media data?
10-14 Jan 2022

Link: <https://bit.ly/3v3eKDj> - Archived: <https://archive.ph/iAALM>

The spread of polarization through opposite infodemic hashtags on TikTok's For You page

Algocount Project: Data Sprint

18-22 Jan, 2021

Link: <https://bit.ly/3cyxrc1> - Archive: <https://archive.ph/qC9MY>

Conspiracists Also Viewed: 'Problematic' Networks of Recommendation on Amazon.com

DMI winter school: Bias in content recommendation and moderation [Role of facilitator]

4-8 Jan 2021

Link: <https://bit.ly/3cDjh4M> - Archive: <https://archive.ph/WXE8t>

Cartoon Politics: How Trump's Tweets Generate Memes

DMI winter school: Post-truth Empiricism: On the new epistemologies and research affordances of social media

7-11 Jan 2019

Link: <https://bit.ly/3PuMGRV> - Archive: <https://archive.ph/1UJQj>

Mapping Multiverse Alternative Facts In the Age of Post-truth

DMI summer school: Retraining the machine: Addressing algorithmic bias

Digital Methods Summer School

2-13 Jul 2018

Link: <https://bit.ly/3J4ODlx> - Archive: <https://archive.ph/1udDW>

Visualising Ambiguity Workshop

Visualizing ambiguities of social networks data for new media research
(with Taantlab, Aalborg University, Copenhagen)

Dec 2017

Is this Open Data Portal accessible?

DMI summer school: Get the Picture. Digital Methods for Visual Research

26 Jun - 7 Jul 2017

Link: <https://bit.ly/3yZFdDp> - Archive: <https://archive.ph/9PvJu>

A Field Guide to "Fake News" and Other Information Disorders

Organized by Public Data Lab with support from First Draft.

Mar 2017 - Apr 2017

Link: <https://bit.ly/3OqcxsL> - Archive: <https://archive.ph/wip/83Oj3>

The #WorldBot 2014 - The #Good, the #Bad and the #Ugly

DMI Summer School: On Geolocation: Remote Event Analysis

23 June - 4 July 2014

Link: <https://bit.ly/3OwHrQ5> - Archive: <https://archive.ph/wip/ft1EW>

Privacy and Twitter: (Geo)Locating the Debate

DMI Summer School: On Geolocation: Remote Event Analysis

23 June - 4 July 2014

Link: <https://bit.ly/3Ot5a3U> - Archive: <https://archive.ph/wip/s2CNX>

Prizes and honourable mentions

Atlante Calvino. Letteratura e visualizzazione**Menzione d'onore ADI Compasso D'Oro XXVII (honourable mention ADI's Compasso d'Oro XXVII)**

ADI Design Index 2021 - Category: Design per la comunicazione

20 Jun 2022

Link: <https://bit.ly/3POB7o6> - Archived: <https://archive.ph/wip/5OJFL>**Atlante Calvino. Letteratura e visualizzazione**

ADI Design Index 2021 - Category: Design per la comunicazione

27 Oct 2021

Link: https://www.adi-design.org/2021_c00779 - Archived: <https://archive.ph/Y2H8w>**RAWGraphs 2.0**

ADI Design Index 2021 - Category: Design per la comunicazione

27 Oct 2021

Link: https://www.adi-design.org/2021_c00827 - Archived: <https://archive.ph/COMZj>**Switzerland's institutional landscape 1933-1980**

EADH projects repository

2018

Link: <https://bit.ly/37idqnk> - Archive: <https://archive.ph/dddje>**DensityDesign Research Lab "Best Studio" award**

Kantar Information is Beautiful Award

Nov 2017

Link: <https://bit.ly/3x4yVms> - Archived: <https://archive.ph/bgm5t>

ANNEXES

n/a

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section "Amministrazione trasparente", "Consulenti e collaboratori".

Date

15 September 2022

Signature

