IVANN SCHLOSSER

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EDUCATION

Msc Smart Cities & Urban Analytics, **UCL**, UK   Sep 2019 - Aug 2021

- GIS coursework(distinction): *Waste management in England: waste movement in the context of circular economy.*
- Dissertation(distinction): *Deconstructing neighbourhoods: identifying London neighbourhoods based on mobility data and diversity of amenities.*
  Supervisor: Prof. Elsa Arcaute

BSc in Physics, **Ecole polytechnique fédérale de Lausanne**, Switzerland   Sep 2015-Feb 2019

Foundation year in mathematics (CMS), **EPFL**. *Lausanne, Switzerland*   Sep 2014-June 2015

WORK

Centre for advanced spatial Analysis, UCL, London. *Research Assistant*   Jan 2022-now

Geospatial and planning analytics; Network science; Sustainable mobility; Deep learning for land use; part of QUANT project funded by the Turing Institute

Global Institute for Innovation Districts (GIID), London. *Consultant*   March 2020 -June 2020

Development of methodology for walkability analysis using GIS and open data sources OpenStreetMap, governmental data portals

Habidatum inc. , London, UK. *Consultant*   July 2019 -Nov 2019

Market study of major companies involved in big data with application to urban analytics in the UK

EPFL, Lausanne, Switzerland. *Tutoring for physics students*   Sep 2017-Dec 2018

Communicating the course material; Assisting students

INTERNSHIPS | EXPERIENCES

Avenir ingénierie contest, **Mobility of the future**, Paris, France. *Contestant with the project "feel libre"*.   Oct 2018

Proposing a new public transportation system for the city of Paris that would meet sustainability criteria, provide passenger comfort, and require minimal changes to existing infrastructure.
Presenting in front of the jury and Q&A session

Laboratory of Quantum Gases, EPFL; Lausanne, Switzerland. *Intern*   July - Aug 2017

Design of the power electronics circuit; Assembly and installation; Testing and debugging

Physics department, EPFL; Lausanne, Switzerland. *Class representative*:   Feb 2018 - Jan 2019

<u>Programming & software:</u>

Skill	Experience	Tools
R	Data science and engineering, network analysis, package development. Visualization; RMarkdown reports, Shiny	Rstudio, Git
Python	Data science and engineering, Deep learning	VSCode, Git, Rstudio
JavaScript	Interactive web visualisation, Mapping	VSCode,Node.js
SQL	Relational databases, indexation of tables, spatial data manipulation	Rstudio, PostgreSQL
HTML/CSS	Web page layout and aesthetics	Rstudio, Github
office	Text editing, data tables manipulation, simple presentations	Word, Powerpoint
C++	Object oriented programming for physical simulations, workflow optimization, Rcpp, RcppArmadillo	Rstudio, clang, CL
Latex	Report writing with complex formulas, images, tables, bibliographies	Overleaf, Zotero

<u>Online presence:</u> theArtViz ; RPUBS, unsplash, twitter

<u>Languages:</u> native French and Russian, professional English, conversational Italian

ASSOCIATIONS

Club Photo EPFL, Lausanne, Switzerland. *VP for film photography*   Sep - Dec 2018

- Look for and negotiate the location, organization of the printing process by each artist, communication to attract visitors.
- Maintenance of the lab for development and printing.

Musical EPFL, Lausanne, Switzerland. *Drums maintenance*   Sep 2014 - Feb 2019

Cinema Club EPFL, Lausanne, Switzerland. *Organizing movie screenings*   Sep - Nov 2018

<u>INTERESTS:</u> Football (semi-pro, youth divisions 2009-2013), Tennis, Mountain skiing, yacht sailing, drums, cinema, photography, sciences, philosophy