

DAVID ZANI

Doctoral candidate at the Chair of Infrastructure Management, ETH Zurich

@dazani@ethz.ch Oct 6, 1994 Swiss and American



EXPERIENCE

Scientific Assistant

Institute of Construction and Infrastructure Management, ETH Zurich

Feb 2021 – present Zurich, Switzerland

- Testing the applicability of Reference Class Forecasting in infrastructure project cost estimations.
- Teaching assistant for Systems Engineering.

Student Research Assistant

Institute for Transport Planning and Systems, ETH Zurich

June 2019 – Jan 2021 Zurich, Switzerland

For a Switzerland-wide mobility study (MOBIS):

- Statistical analysis and weighting of sample demographics.
- Analysis of leisure behavior as part of an interdisciplinary study on the effects of COVID.

Construction Management Intern

Flückiger + Bosshard AG

Nov 2016 – Feb 2017 Zurich, Switzerland

- Supported construction managers in their daily tasks, working on a \$1.5B federal highway expansion project.
- Spent time on site and in the offices focusing on conflict resolution between subcontractors and project owner.

Risk Management Intern

BASF Intertrade AG

Aug – Nov 2016 Zug, Switzerland

- Worked with various departments of the trading business, conducting research for team leaders and monitoring how traders work.
- Researched and suggested an optimal delta hedging strategy in order to accurately price options.

PUBLICATIONS

Do we have enough recreational spaces during pandemics? An answer based on the analysis of individual mobility patterns in Switzerland. *Landscape and Urban Planning, Feb 2022.*

LANGUAGES

English
German (and Swiss-German)
French



EDUCATION

M.Sc. ETH in Spatial Development and Infrastructure Systems

ETH Zurich

Sept 2018 – Feb 2021 Zurich, Switzerland

GPA: 5.5 / 6.00

B.Sc. in Civil Engineering

The University of Texas at Austin

Aug 2012 – May 2016 Austin, Texas

High Honors, GPA 3.93 / 4.00

Minor in Business

The University of Texas at Austin

Aug 2012 – May 2016 Austin, Texas

High Distinction

PROJECTS

D-BAUG Lighthouse Project

E-Bike City: Cost and accident predictions

2022 – 2025 ETH Zurich

STENFO 2020 Cost Study

External review of cost uncertainties

2021 – 2022 ETH Zurich

Master's Thesis

Improving implementation of bicycle infrastructure through the consideration of existing infrastructure (5.75 / 6.00)

Sept 2020 – Jan 2021 ETH Zurich

CERTIFICATES & SKILLS

Reference Class Forecasting Practitioner (2021)

MS Office
R
pgAdmin
ArcGIS, QGIS
Latex
Netica
PTV Vissim

