

## EDUCATION

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### Graduate Institute (IHEID)

MSc in International Economics

Geneva, CH

2020–Current

- Specialization in Development Economics

### University of Lausanne

BSc in Economics

Lausanne, CH

2017–2020

- Exchange Semester: Maastricht University, *Spring 2020*
- Exchange Semester: Chinese University of Hong Kong, *Autumn 2019*
- Summer Language School: Beijing Foreign Language University, *Summer 2018*

### EF Beijing

Intensive Course in Mandarin Chinese

Beijing, CN

Summer 2017

- Language Exam: HSK 2, *A2 European Reference Level*

## EXPERIENCE

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### Center for International Environmental Studies (IHEID)

Research Assistant

Geneva, CH

Nov. 2020–Ongoing

- PANARCHIC project, under the supervision of Prof. James Hollway.
- Helped in the development of several R packages aiming at analysing networks of institutional complexes on the environment, trade and security.
- Contributed to an R-Package enabling IHEID students to write their thesis, create reports and presentations in R-Markdown.

### Organisation for Economic Co-operation and Development (OECD)

Intern

Paris, FR

Jun. 2021 –Sep. 2021

- Quantitative Intern in the Working Party on Shipbuilding of the Directorate of Science, Technology and Innovation
- Performed demand & supply analysis of freight vessels with ship level data as well as shipbuilding capacity analysis with ORBIS firm level data.
- Developed an internal R-Package of data handling and visualization tools.

### University of Lausanne, HEC Lausanne

Teaching Assistant

Lausanne, CH

Feb.–Nov. 2019

- Strategy of Innovation, MSc. Management course given by Prof. Annamaria Conti
- Created course material (executive summaries of papers and case studies, interactive slide decks and the exams) for a newly introduced class on Innovation Management and Economics.
- Successfully implemented a new unit on the economics of innovation that was integrated in the class.

### Swiss Armed Forces, Air Force

Private First Class (Honorific)

Payerne, CH

2016-2017

- Dual Function, Canteen Manager & Lightweight Truck Driver
- Organized and ran a military canteen for soldiers and co-organized the catering logistics of a large event for ArmaSuisse.

## REFERENCES

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### Prof. Annamaria Conti

Associate Professor

University of Lausanne, HEC Lausanne

**Email:** annamaria.conti@unil.ch

### Prof. James Hollway

Assistant Professor

Graduate Institute Geneva (IHEID)

**Email:** james.hollway@graduateinstitute.ch

## SKILLS

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- **Data Analysis:** R, Stata, Python, GIS
- **Publishing:** MS Suite, L<sup>A</sup>T<sub>E</sub>X
- **Others:** Affinity Design Suite, HTML/CSS/JavaScript, GitHub

## LANGUAGES

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- **German:** Native
- **French:** Native
- **English:** Full Professional Proficiency
  - **TOEFL:** 112/120
- **Mandarin:** Basic Knowledge
  - **HSK 2:** A2 Level

## SOFTWARE DEVELOPMENT

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The following is a selection of (mostly) R-packages in which development I have been involved in over the years.

- **qData ecosystem** (Contributor)

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The qData R-Package ecosystem strives to provide the analytical tools as well as a comprehensive collection of datasets to analyze the dynamics of networks of international treaties.

- **migraph** (Contributor)

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*migraph* is a network analysis package extending traditional network methods to multimodal networks. It also provides extensive analysis and visualization tools to its users.

- **Coursedown** (Author)

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*Coursedown* is a ready to use template for creating a pretty and easy to use {blogdown} site to share code and teaching material for R-based courses.

- **IHEIDdown** (Contributor)

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*iheiddown* is a set of ready to use templates for master's and PhD students at IHEID looking for a way to write their thesis or other scientific output seamlessly in R-Markdown.

- **WP6Rtools** (Author)

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*WP6Rtools* is a mini data visualization package I created while working for the OECD. It allows policy analysts to speed up their visualization workflows by providing OECD related themes for *ggplot*.

## EXTRACURRICULAR ACTIVITIES

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- Treasurer for the Graduate Institute's Podcasting Initiative 2020–2021  
*Handling of various administrative tasks, drafting the initiative's budget and handling expense reports in coordination with the main student association of the Graduate Institute.*
- Writer for HEconomist 2018–2019  
*Writer for the student newspaper of HEC Lausanne. Topics covered included economics, current affairs and technology.*