Chicago, IL, USA

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Isabelle Vea
Data Scientist

TECH SKILLS
R / Python / AWS EC2
Jupiter Notebook / GitHub
Tableau

SOFT SKILLS
Critical thinking / Writing to different stakeholders / Adaptability / Curiosity / Creativity

ACHIEVEMENTS
- **Wrote a book chapter on insect biology** summarizing my years of expertise in the field

- **Created a university association for young scientists in Japan** allowing over 100 Japanese and international scientists to network and exchange

STRENGTH
- **International work experience** From living and working in three continents, making me highly adaptable and a fast learner

EDUCATION
American Museum of Natural History, NYC/ Ph.D in Comparative Biology (2013)

PASSIONS
Illustrations / linocut print

LANGUAGES
English (bilingual)
French (native)

Forward thinking and **highly adaptable** data scientist who worked and lived in North America, Europe and Asia. I managed and delivered large research projects, involving obtaining funding, project design, data collection and analysis as well as delivery of results through more than 10 scientific articles and multiple conference presentations. Problem solver as demonstrated by the unique projects involving novel challenges that were successfully addressed.

University of Illinois Chicago
Visiting Research Assistant Professor
2019 - 2022
- *Data analysis*: Used inferential statistics to identify genetic patterns with datasets on body size and nutrition. Prepared and analyzed these datasets (**Python** for data exploration analysis and data visualization, **RStudio** for statistical analyses on **AWS EC2**).
- *Deliverables:* Secured over $800,000 of funding from governmental agency and published 3 scientific articles from the project.
- *Mentoring:* Trained 10 undergraduate and graduate students on laboratory and analytical skills.

The University of Edinburgh
Research Scientist
2017 - 2018
- *Data analysis:* Developed pipelines to analyze novel genomic data on University servers using bioinformatics tools for genomics and **RStudio** for data visualization.
- *Teamwork:* Collaborated with scientists and PhD students to develop new experimental protocols in the laboratory and develop a data analysis pipeline using **GitHub** for version control.
- *Mentorship:* Supervised 2 undergraduate students in designing a project, collecting, analyzing and presenting data.
- Secured funding from the EU and managed a $200,000 research project.

Nagoya University
Postdoctoral Researcher
2013-2016
- **Data analysis:** Project design and management, collected and analyzed transcriptomic data on **AWS EC2** using **R**.
- **Deliverables:** Delivered my research at national and international conferences and published 3 scientific articles.
- **Leadership:** Founded the Nagoya University Early Researcher Association and organized university-wide seminars and networking events to connect researchers from different departments
- Secured funding of the Japanese government and managed a $150,000 project.