

Laura Junco — Senior Software Engineer for Data Visualization

laurajunco.xyz | github.com/laurajunco | linkedin.com/in/laurajunco

Data Visualization Engineer with over 7 years of experience in Front End Development and Data Visualization with D3.js, SVG, and modern JavaScript. Passionate about technology, open-access information, and design. I work with data visualization to convey accessible, useful, and understandable information for all.

EXPERIENCE

Senior Software Engineer – Data Visualization, [Celonis](#)

Apr 2022 - Ongoing | Munich, Germany

- Delivered front-end features for Celonis [dashboard applications](#). Developing data visualization components and tools using **Angular, SVG and D3.js**.
- **Improved rendering performance 5x** (100 charts from 30s to 6s) by eliminating all forced layouts, ensuring consistent, scalable performance across dashboards of any size.
- Led accessibility efforts for data visualization components including color contrast, screen reader, and keyboard navigation support. **Making our product WCAG A/AA compliant with the European Accessibility Act**.
- **Led the design, development, and successful launch** of core data visualization components including Histogram ([blog post here](#)) and [Scatterplot](#), unlocking critical user workflows and expanding product capabilities.
- Maintained and enhanced our **in-house charting library used by 50+ developers**, ensuring stability of API and architecture while meeting evolving data visualization requirements across company products.

Adjunct Professor, [Universidad de los Andes](#)

Jan 2022 - Jun 2022 | Bogotá, Colombia

- [Algorithmic Thinking](#): Introductory course for design students to computational thinking and programming for interactive media.

Data Visualization Engineer, [Comisión de la Verdad de Colombia](#)

Jun 2020 - Mar 2022 | Bogotá, Colombia

- Created [bespoke interactive data visualizations](#) to help researchers make sense of demographic and testimonial data.
- Developed a reusable data visualization system for data analysis applications using open-source web technologies.
- React, D3.js, SVG, SQL, Leaflet

Digital Product Designer, [Colombian Museum of Memory](#)

Jun 2019 - Jul 2020 | Bogotá, Colombia

- Interface design for the digital products of the Museum of Memory of Colombia.
- Development of [interactive art exhibitions](#) focused on the history of Colombian armed conflict.
- Developed data visualizations with public data using SVG and D3.js
- PHP, D3.js, React, WordPress

Design Research Assistant, [Universidad Nacional de Colombia](#)

Feb 2019 - Sep 2021 | Bogotá, Colombia

- Created [interactive experiences](#) on reconciliation and peace-building in Colombia.
- Designed and developed a [digital archive for textile documentation](#)

Data Visualization Trainee, [European Bioinformatics Institute](#)

Jan 2018 - Jun 2018 | Cambridge, UK

- Developed [dynamic and reusable data visualizations](#) to help drug researchers with their in-silico analytics.
- Redesign and implementation of new web interface for the ChEMBL database access platform
- Python, Elastic Search, D3.js, Backbone.js

EDUCATION

2019 BA in Design – [Universidad de Los Andes](#). Bogotá, Colombia

LANGUAGES

Spanish (native) | English (bilingual) | German (B1)