

FULING SUN

Data Visualization / Human-Computer Interaction

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EDUCATION

Tongji University

09. 2019 – 03. 2022 (*expected*)

Master in Data Visualization

Advisor: Prof. Nan Cao, Prof. Qing Chen

University of Electronic Science and Technology of China

09. 2015 – 07. 2019

Bachelor in Software Engineering

PUBLICATIONS

VizLinter: A Linter and Fixer Framework for Data Visualization

VIS 2021

Qing Chen, **Fuling Sun**, Xinyue Xu, Zui Chen, Jiazhe Wang, Nan Cao

[Link](#) 🔗

AutoClips: An Automatic Approach to Video Generation from Data Facts

EuroVis 2021

Danqing Shi, **Fuling Sun**, Xinyue Xu, Xingyu Lan, David Gotz, Nan Cao

[Link](#) 🔗

Vinci: An Intelligent Graphic Design System for Generating Advertising Posters

CHI 2021

Shunan Guo, Zhuochen Jin, **Fuling Sun**, Jingwen Li, Zhaorui Li, Yang Shi, Nan Cao

[Link](#) 🔗

Calliope: Automatic Visual Data Story Generation from a Spreadsheet

VIS 2020

Danqing Shi, Xinyue Xu, **Fuling Sun**, Yang Shi, Nan Cao

[Link](#) 🔗

EXPERIENCE

Intelligent Big Data Visualization Lab (iDVx) *Lab Member*

09. 2019 – Present

- Designed visualization techniques and algorithms to assist users to build visualizations (**VizLinter**) and tell stories with visualizations (**Calliope**, **AutoClips**).
- Developed web systems and backend servers for R&D projects.

Ant Group *Front-end Engineer(intern)*

07. 2021 – 09. 2021

- Responsible for the automatic visualization recommendation project, **Chart-Advisor**, refactoring from last version and integrating new features.
- Responsible for the uniform visualization schema, **antv-spec**, which currently supports statistical charts and simple graph definition.
- Participate in the implementation of Chart Linter, a chart optimization feature, into the internal BI tool.

SAP Global Cloud Service Center *DevOps Engineer(intern)*

01. 2018 – 07. 2018

- Responsible for the ChatOps(chatbot with DevOps) project, to shorten the developing and the operating work flow.

PROJECTS

vega-lite-linter: a linting and fixing tool for visualization

01. 2021 – 03. 2021

- A framework to detect violated rules of visualization in Vega-Lite syntax and suggest solutions.
- In charge of detecting violated rules and suggesting optimal solutions using Linear Programming.

Calliope - An intelligent data story platform 🔗

01. 2020 – 09. 2020

- An intelligent data auto-insight platform for creating, editing, and sharing visual data stories.

- Developed static visualization and its animation; developed two visual story layouts (storyline, fact-sheet) and corresponding interactions.

Data Video - Online data video editor

09. 2019 – 12. 2019

- An online tool for creating data videos with charts, illustration, text editing and video export.
- Developed static visualization and its animation; Implemented the video export function.

Vinci - An Intelligent Graphic Design System for Product Posters

12. 2018 – 03. 2019

- While uploading the product picture, the system can automatically generate a series of product posters.
- In charge of automated text layout and color in the posters.

Others

◦ **Ecological Balance Simulator**

05. 2020

A **P5.js** project for simulating human behaviors' effect on the ecosystem with interaction and visualization.

◦ **How Do We Leak Personal Privacy?**

12. 2019

Data story describing the ways user privacy got leaked by phones and their potential hazards.

SKILLS

Languages: Python, JavaScript/TypeScript, HTML, CSS

Tools: D3.js, Node, React, MongoDB, \LaTeX