# FULING SUN

Data Visualization / Human-Computer Interaction

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## EDUCATION

**Tongji University**                                                                 *09. 2019 – 06. 2022 (expected)*

*Master in Data Visaulization*

*Advisor: Prof. Nan Cao, Dr. Qing Chen*

**University of Electronic Science and Technology of China**           *09. 2015 – 07. 2019*

*Bachelor in Software Engineering*

*Top 1 in major, National Scholarship 2017, 2018*

## 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 services 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 including customization of charts and design rules.
- Responsible for the uniform **visualization schema**, antv-spec, which currently supports statistical charts and simple graph definition.
- Responsible for the implementation of Chart Linter, a **chart optimization** feature of 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 of engineers.

## AWARDS

**Kwang-Hua Scholarship**: Tongji University, 2021          **National Scholarship**: 2018, 2017

**Best Poster Honorable Mention**: ChinaVis 2021            **Meritorious Award of MCM/ICM**: 2018

**Best Poster**: CCF GAMES 2021                            **People's First Class Scholarship**: UESTC, 2016

**Excellent Graduate**: UESTC, 2019

## 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