GUAN-DE WU

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EDUCATION

New York University, New York, USA   *Jan 2021 - Present*
Ph.D. in Computer Science **(GPA:3.94/4)**

Zhejiang University, Hangzhou, China   *Sept 2016 – June 2020*
B.Eng. in Software Engineering **(GPA:3.87/4)**
He Zhijun Class in College of Computer Science, Zhejiang University;

SELECTED PUBLICATION

Guande Wu, Jing Qian, Sonia Castelo Quispe, Shaoyu Chen, Joo Rulff & Claudio T. Silva (2024). ARTiST: Automated Text Simplification for the Task Guidance in Augmented Reality. **To Appear on CHI 2024.** [PDF]

Guande Wu, Shunan Guo, Gromit Chen, Jane Hoffswell, Gromit Yeuk-Yin Chan, Ryan Rossi & Eunyee Koh. Socrates: Data Story Generation via Adaptive Machine-Guided Elicitation of User Feedback. **IEEE VIS 2023**

Sonia Castelo Quispe, Joo Rulff, Erin McGowan, Bea Steers, **Guande Wu**, Shaoyu Chen, Iran Roman, Roque Lopez, Ethan Brewer, Chen Zhao, Jing Qian, Kyunghyun Cho, He He, Qi Sun, Huy T. Vo, Juan Pablo Bello, Michael Krone, Claudio Silva. ARGUS: Visualization of AI-assisted Task Guidance in AR. **IEEE VIS 2023, Best Paper Honorable Mentions**

Qing Chen, Nan Chen, Wei Shuai, **Guande Wu**, Zhe Xu, Hanghang Tong, Nan Cao. Calliope-Net: Automatic Generation of Graph Data Facts via Annotated Node-link Diagrams. **IEEE VIS 2023**

Guande Wu, Jianzhe Lin & Claudio T. Silva. IntentVizor: Towards Generic Query Guided Interactive Video Summarization. **CVPR 2022** [PDF]

Guande Wu, Jianzhe Lin & Claudio T. Silva (2021). ERA: Entity-Relationship Aware Video Summarization with Wasserstein GAN. **BMVC 2021.** [PDF]

INTERNSHIP

Research Scientist Intern, Adobe Research
Human-AI Collaborative Data Story Generation
May 2022 - August 2022
- Designed a workflow for generating data stories that involved collaboration between humans and artificial intelligence through conversation recommendation.
- Implemented the conversational agent with Pareto optimization.

Research Intern, Data Knowledge Intelligence Group, Microsoft Research Asia
Azure Incident Management System Analysis
September 2019 - March 2020
- Working towards a better understanding of the incident discussion process by the state of art NLP techniques and visual analytics techniques.

SERVICE

Reviewer: AAAI 2023, IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Circuits and Systems for Video Technology, ACM Transactions on Intelligent Systems and Technology, VIS 2023 alt.vis, VDS 2023

RESEARCH EXPERIENCE

Visiting Undergraduate Researcher, VIDI Lab, University of California-Davis
AI For Visualization, Supervised by Prof. Kwan-liu Ma, IEEE Fellow
July 2019 - September 2019
- Researched on machine visualization literacy, in which I investigated the behaviors of deep learning models for data visualization and its effects on interpretability.

Undergraduate Researcher, ZJUIDG Group, Zhejiang University
Urban Visualization, Supervised by Prof. Yingcai Wu
October 2018 - March 2019
- Developed an urban visualization application called Evolane which provides in-depth high efficiency multi-factor analysis for bike lane planning process.
- Deployed an android app for interactive table-tennis game annotation.

AWARDS

Third Prize in East-China Region 2019
China Collegiate Computing Contest — Artificial Intelligence Innovation Contest

Scholarship for Outstanding Merits (top 15%) 2019
Scholarship for Outstanding Merits (top 15%) 2018
Scholarship for Outstanding Merits (top 10%) 2017

ACTIVITIES

Director, Department of Publicity and Web   September 2016 - June 2017
Chu Kochen College Student Union, Zhejiang University

· Led a team consisting of more than 20 people.
· Advertised several college-level events
· Support department matter as a full-stack developer
· Organize and coordinate workshop on web development

SKILLS

Computer Programming
- Front-end development: (React.js, d3.js)
- Linux and Back-end programming (C, C++, Java, Python Flask)
- Data visualization (D3.js, Vega-Lite)
- Computer Vision (Pytorch, Detectron)
- Natural Language Processing

Languages
Enligsh (Fluent), Madarian Chinese (Native)

Teamwork
Collaborative Experience: Contributed as both a member and a leader in diverse teams like student unions and research groups, demonstrating adaptability and cooperative spirit.