

# Yu Fu

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## RESEARCH INTERESTS

My research interests lie in information visualization, data-driven journalism, sports analytics, and HCI. Particularly, I have studied how to support basketball analytics and data-driven sports journalism through interactive visualization. My current research pivots towards understanding what role visualization can play in the combat against misinformation and developing tools that leverage visualization and large language models to assist both journalists and news audiences.

## EDUCATION

AUGUST 2020 – PRESENT

**PH.D. IN HUMAN-CENTERED COMPUTING, GEORGIA INSTITUTE OF TECHNOLOGY**

Research area: Visualization & HCI. Advised by John Stasko

AUGUST 2013 – MAY 2015

**M.S. IN ELECTRICAL ENGINEERING, GEORGE WASHINGTON UNIVERSITY**

AUGUST 2009 – JUNE 2013

**B.S. IN ELECTRONIC & INFORMATION ENGINEERING, HUNAN UNIVERSITY**

## PUBLICATIONS

Yu Fu and John Stasko, *“HoopInSight: Analyzing and Comparing Basketball Shooting Performance Through Visualization”*, 2023 IEEE VIS Conference

Yu Fu and John Stasko, *“More Than Data Stories: Broadening the Role of Visualization in Contemporary Journalism”*, IEEE TVCG 23, doi: 10.1109/TVCG.2023.3287585

Yu Fu and John Stasko, *“Supporting Data-Driven Basketball Journalism through Interactive Visualization”*, ACM CHI 22, <https://doi.org/10.1145/3491102.3502078>

Hayeong Song, Yu Fu, Bahador Saket, and John Stasko, *“Understanding the Effects of Visualizing Missing Values on Visual Data Exploration”*, (Short Paper) 2021 IEEE VIS Conference

## EMPLOYMENT

MAY 2021 – PRESENT

**RESEARCH ASSISTANT, GEORGIA INSTITUTE OF TECHNOLOGY**

Information Interfaces Group supervised by John Stasko

MAY 2023 – AUGUST 2023

**INTERN – RESEARCH SCIENTIST/ENGINEER, ADOBE RESEARCH**

Mentors & Collaborators: Shunan Guo, Jane Hoffswell, Victor Bursztyn, Ryan Rossi

SEPTEMBER 2015 – AUGUST 2020

**NBA JOURNALIST/BASKETBALL DATA ANALYST, TENCENT & TITAN SPORTS**

MARCH 2012 – MARCH 2013

**ELECTRICAL ENGINEER, HUNAN UNIVERSITY FSAE RACING CAR TEAM**

## RECENT PROJECTS

<b>Aletheia</b>	system for automated data claim fact-checking and communication
<b>Jigsaw-lite</b>	visual text analytic system that assists in text mining and corpus analysis
<b>HoopInSight</b>	visualization system for analyzing NBA players' shooting performance, with emphasis on multidimensional spatial comparison (VIS'23)
<b>NBA GameViz</b>	visualization system for analyzing game information and analytics to support novel narrative construction and insight communication (CHI'22)
<b>NBA LineupViz</b>	visualization system for evaluating NBA teams' lineup performance, with emphasis on advanced analytics and playing time (CHI'22)
<b>SongBridge</b>	interactive graph interface that allows multiple music listeners to find 'bridge songs' that connect their song lists, focusing on visual experience
<b>BBallIndex Player Profile Visualizer</b>	visualization interface that facilitates players' analytical profile comparison and communication
<b>ShotQuality</b>	visualization interface that facilitates players' shooting quality and performance comparison
<b>NBA Traveling Meter</b>	visualization interface for animating teams' traveling routes
<b>Who didn't vote for me</b>	visualization interface for reviewing NBA MVP voting results

## SKILLS

<b>Languages</b>	<b>HTML/CSS, JavaScript, Python, R, Swift, MATLAB, C, SQL</b>
<b>Frameworks and Libraries</b>	<b>D3.js, React, p5.js, OpenAI API, jQuery, Svelte, PySpark</b>
<b>Tools</b>	<b>Tableau, Adobe Suite, Git, Qualtrics, RStudio</b>

## CERTIFICATES

INFORMATION VISUALIZATION (4 ONLINE COURSES), **NEW YORK UNIVERSITY**  
DATA SCIENCE (10 ONLINE COURSES), **JOHNS HOPKINS UNIVERSITY**

## TEACHING

- Fall 2020 | Information Visualization (CS 4460) Teaching Assistant
- Spring 2021 | Data Visualization: Principles & Applications (CS 6730) Teaching Assistant
- Spring 2023 | Information Visualization (CS 7450) Co-instructor on visualization programming
- Fall 2023 | Data and Visual Analytics (CSE 6242) Teaching Assistant

## AWARDS

- Outstanding Journalist Award (3 times Tencent)
- Best Engine Tuning Award (Formula SAE-China 2012)
- First Place in Straight-Line Acceleration (Formula SAE-China 2012)
- Special Scholarship (Hunan University 2012)
- College Basketball League Championship & Most Valuable Player (Hunan University 2011)
- Freshmen basketball tournament Championship & Most Valuable Player (Hunan University 2009)