

# Jin Huang

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## EDUCATION

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### Oregon State University

*Bachelor of Science in Computer Science, GPA: 3.92*

Corvallis, OR

*Aug. 2020 – Expt. Dec. 2024*

### University of Southern California

*Ph.D., M.A. in Communication and Technology, Quantitative Social Science*

Los Angeles, CA

*Sep. 2011 – May 2018*

### Huazhong University of Science & Technology

*Bachelor of Arts in Broadcast and TV Journalism*

Wuhan, China

*Sep. 2004 – June. 2008*

## TECHNICAL SKILLS

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**Languages:** Python, SQL, JavaScript, HTML/CSS

**Frameworks:** React, Express-Node.js, Streamlit

**Tools:** MongoDB, MySQLWorkbench, phpMyAdmin, Github, Google Cloud, VS Code, Jupyter Notebook, Jira

**Libraries:** pandas, NumPy, Matplotlib, seaborn, sklearn

**Data Analytics:** BigQuery, Tableau, PowerBI, Excel, SPSS

**Statistics:** Hypothesis Testing, Natural Language Processing, Regression, Exploratory Data Analysis, Sampling

**Research Methods:** Survey, Interview, Focus Group, Content Analysis

## PROJECTS

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**AI Tools Online Marketplace** | *JavaScript, Express-Node.js, SQL, HTML/CSS, server, Github* Sep.2023 – Present

- **Captain and sole backend & database developer** of a team of two
- Developed a full-stack web application with HTML/CSS for the frontend and used Express-Node.js to serve a REST API that allows database administrators to perform CRUD operations on the database via a UI
- Used AJAX and Handlebars to dynamically display data from a MySQL database on the frontend page
- Designed and built a MySQL relational database with 5 entities and 2 intersection tables
- Deployed the frontend, backend, and database to the university's remote server

**Stock Galaxy, Pick a Star** | *Python, Streamlit, pandas, matplotlib, prompt engineering* Sep. 2023 – Present

- Built a full-stack web app to retrieve 10 key financial metrics from the 10-K data of all 10726 SEC-listed companies using the SEC EDGAR API
- Used pandas DataFrame and Python dictionary data structures, and sorting algorithms to sort and rank stocks based on various financial metrics
- Integrated a chatbot, powered by OpenAI, into the web app to answer user questions
- No skeleton code, no hardcoded strings; implemented error handling in Python. The program is fully automated, scalable to handle large-scale data, and includes data visualization

**Female Tech Entrepreneur** | *Python, JavaScript, HTML/CSS, prompt engineering* Oct. 2023

- Built an AI Agent and a Google Chrome extension using the OpenAI engine for the Major League Hacking Open Source Week
- Published the agent to the AI Agent Community, where it ranked as the #3 most popular among 2,714 submissions and remained on the most popular page for two weeks

**Exercise Tracker** | *JavaScript, HTML/CSS, React, Express-Node.js, MongoDB* Present

- Built a full-stack web app using Express-Node.js to serve a REST API, with React for the front-end, and MongoDB as a NoSQL database
- Enabled users to perform CRUD operations on the database, allowing them to keep track of their exercise records
- Deployed the full-stack web app to Netlify for hosting

**Kuba Game** | *Python* Present

- Built a Command Line Interface program to play Kuba Game using Object-Oriented Programming design principles without any skeleton code
- Implemented unit testings to verify gameplay functionality

## ACADEMIC APPOINTMENTS

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### **Project Manager**

2016 – 2018

*International Journal of Communication*

*University of Southern California*

- Ranked # 8 among social science journals
- Leader of a team of 10 editorial assistants, managed tasks and deadlines, ensured quality control, conducted scientific paper reviews, and collaborated with 130+ editorial members and 1000+ social scientists in the field of human-computer interaction

### **Editorial Assistant**

2014 – 2016

*International Journal of Communication*

*University of Southern California*

- Conducted a weekly review of original research manuscripts, assessing their content, validity, and adherence to publication standards

### **Research Assistant**

2012 – 2014

*Annenberg School for Communication & Journalism*

*University of Southern California*

- Project: Developing Communication Network Skills through Penny Harvest
- Project: Value Pursuit in Crowdfunding on Kickstarter
- Project: Local Storytelling and Civic Engagement in the City of Alhambra, Los Angeles

### **Teaching Assistant**

2012 – 2014

*Annenberg School for Communication & Journalism*

*University of Southern California*

- Course: Communication, Attitudes and Behaviors (Graduate core, seminar)
- Course: Communication and Mass Media (Undergraduate core, lecture & discussion)
- Course: Communication and Social Science (Undergraduate core, lecture & discussion)

## PROFESSIONAL EXPERIENCE

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### **Marketing Research Consultant**

June 2010 – Sep. 2011

*Burson Cohen & Wolfe, WPP plc, #1 Ad Agency*

*Beijing, China*

- Led the design and implementation of the 1st national social media campaign for Lexus China
- Published numerous press releases for Lexus, covering corporate communication and product launches
- Presented a SWOT analysis to the Vice President of Lexus Asia

## INTERNATIONAL & NATIONAL AWARDS

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**Top Student Paper Award** International Communication Association (Public Relations), Puerto Rico, 2015

**Top Faculty Paper Award** International Communication Association (Public Relations), Puerto Rico, 2015

**Top Faculty Paper Award** National Communication Association (Argumentation and Forensics), Chicago, 2014

## UNIVERSITY SCHOLARSHIPS

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Graduate Student Scholarship. University of Southern California. 2012-2016

Scholar Symposium Awards. University of Southern California. 2014

Annenberg Fellow Research Awards. University of Southern California. 2014

Graduate Student Fellowship. University of Southern California. 2011-2012

National Scholarship for Overseas Exchange Program. University of Southern California. 2007

National Scholarship for Excellent University Freshmen. University of Southern California. 2004

## PUBLICATIONS

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- Goodnight, G.T., Son, M., **Huang, J.**, & Crigler, A. (2017). Youth, networks, and civic engagement: Communities of belonging and communities of practice. *Speech and Debate as Civic Education*, 205-220.
- Huang, J.** (2015). Raising the standing of evaluation in dialogic research: The influence of budget and evaluation style on dialogue implementation. Top Student Paper Award. International Communication Association. Puerto Rico.
- Huang, J.**, & Yang, A. (2015). Implementing dialogic communication: A survey of IPR, PRSA, and IABC members. *Public Relations Review*. 41(3), 376-377. [5-Year Impact Factor=2.086]
- Huang, J.**, & Yang, A. (2015). Understanding factors affecting organizations' implementation of dialogic communication: An exploratory study. Top Faculty Paper Award. International Communication Association. Puerto Rico.
- Goodnight, G.T., Son, M., & **Huang, J.** (2014). Youth, networks and civic engagement: An interim report. Top Faculty Paper Award. The National Communication Association. Chicago.
- Huang, J.** (2014). The sweetness of solitude in SNS: An integrative model on online privacy, withdrawal, and self-disclosure. International Communication Association. Seattle.
- Chen, N.T.N., Dong, F., Ball-Rokeach, S.J., Parks, M., & **Huang, J.** (2012). Building a new media platform for local storytelling and civic engagement in ethnically diverse neighborhoods. *New Media & Society*, 14(6), 931-950. [5-Year Impact Factor=4.18]
- Huang, J.** (2012). The social influences of Facebook friends. InfoSocial Conference. Evanston, IL.
- Chen, N.T.N., Ball-Rokeach, S.J., Parks, M., & **Huang, J.** (2011). The Alhambra project: A theory-based strategy for the construction of a citizen journalism website. *Centres and peripheries: Metropolitan and non-metropolitan journalism in the twenty first century*, 255-270.
- Chen, N., & **Huang, J.** (2009). The Alhambra project: Building a civically engaged community through the re-localization of news in Alhambra, Los Angeles County. The National Communication Association. Chicago.
- Huang, J.** (2007). Culture elements embedded in the process of European integration. Professional Circle, May 2007.