# HANG ZHAO

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## EDUCATION

**Stony Brook University** *Jan 2021 - Dec 2024 (Expected)*
Ph.D. Candidate
Major in Computer Science
GPA: 3.83/4.0

**Stony Brook University** *Jan 2019 - Dec 2020*
Master of Science
Major in Computer Science

## RESEARCH INTERESTS

My research interests lie in machine learning, deep learning, reinforcement learning and human computer interaction.

## RESEARCH EXPERIENCES

**Human Computer Interaction Laboratory at Stony Brook University** *June 2020 - Present*
*Ph.D. Advisor: Prof. Xiaojun Bi*
My project experiences are related to Bayesian Inference, Monte Carlo Markov Chain, Naive Bayes, Deep Neural Network (CNN, LSTM), and Reinforcement Learning (DQN) at Stony Brook University.

## PUBLICATIONS

**Hang Zhao**, Sophia Gu, Chun Yu, Xiaojun Bi.
**Bayesian Hierarchical Pointing Models**
*The 35th Annual ACM Symposium on User Interface Software and Technology (UIST 2022)*

Zhi Li, Maozheng Zhao, Didyendu Das, **Hang Zhao**, Yan Ma, Wanyu Liu, Michel Beaudouin-Lafon, Fusheng Wang, Iv Ramakrishnan, Xiaojun Bi.
**Select or Suggest? Reinforcement Learning-based Method for High-Accuracy Target Selection on Touchscreen**
*CHI Conference on Human Factors in Computing Systems (CHI 2022)*

**Hang Zhao**, Michael Wang, Xiaolei Zhou, Xiangshi Ren, Xiaojun Bi.
**Variance and Distribution Models for Steering Tasks**
*The 34th Annual ACM Symposium on User Interface Software and Technology (UIST 2021)*

Yu-Jung Ko, **Hang Zhao**, IV Ramakrishnan, Shumin Zhai, Xiaojun Bi.
**Modeling One-Dimensional Touch Pointing with Nominal Target Width**
*The 47th Annual Graphics Interface Conference (Graphics Interface 2021)*

Yu-Jung Ko, **Hang Zhao**, IV Ramakrishnan, Shumin Zhai, Xiaojun Bi.
**Issues Related to Using Finger-Fitts law to Model One-Dimensional Touch Pointing Tasks**
*CHI Conference on Human Factors in Computing Systems (China CHI 2021)*

Yu-Jung Ko, **Hang Zhao**, Yoosang Kim, IV Ramakrishnan, Shumin Zhai, Xiaojun Bi.
**Modeling Two Dimensional Touch Pointing**
*The 33rd Annual ACM Symposium on User Interface Software and Technology (UIST 2020)*

## HONORS & AWARDS

Best Paper Honorable Mention Award at 33rd Annual ACM Symposium on UIST 2021 (Top 5%)
Best Paper Honorable Mention Award at the Ninth International Symposium of Chinese CHI (Top 5%)

## COURSES & GRADES

**CSE512 Machine Learning** taught by Prof. Ritwik Banerjee: **A**
**CSE532 Theory of Database System** taught by Prof. Fusheng Wang: **A**
**CSE548 Analysis of Algorithms** taught by Prof. Jie Gao: **A-**
**CSE564 Data Visualization** taught by Prof. Klaus Mueller: **A-**
**CSE505 Computing with Logic** taught by Prof. Paul Fodor: **A**
**CSE518 Human Computer Interaction** taught by Prof. Xiaojun Bi: **A**
**CSE373 Analysis of Algorithms** taught by Prof. Rob Patro: **A**
**CSE320 System Fundamentals II** taught by Prof. Eugene W. Stark: **A**
**CSE307 Principle of Programming Languages** taught by Prof. Paul Fodor: **A-**

## LICENSES & CERTIFICATIONS

Deep Learning Specialization certified by Coursera
Machine Learning Specialization certified by Coursera
Machine Learning certified by Coursera
Introduction to Machine Learning in Production certified by Coursera
Natural Language Processing with Classification and Vector Spaces certified by Coursera
AI for Medical Diagnosis certified by Coursera

## SKILLS

Programming Language: Java, Python, C/C++, R, JavaScript, MATLAB, Prolog, SML, Latex.
Database: IBM db2, MySQL, MongoDB.
Bigdata: Hadoop and Spark, MapReduce (Java), HDFS.
Web: HTML, CSS, JavaScript, d3.js, React.js, Node.js, XML.
Library: TensorFlow, Keras, Pytorch, Scikit-learn, SciPy, Pystan, Pandas, NumPy, Matplotlib, Seaborn, Open-CV, Flask.