

# Bernard Chen *Ph. D. candidate*

Computer Science Department  
University of Central Arkansas  
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Citizenship Status: Citizen of United States

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## RESEARCH INTERESTS

- Data Science, Bioinformatics, Wineinformatics, Computational Intelligence, AI, Data Mining, Natural Language Processing and High Performance Computing

## EDUCATION

- **Georgia State University**, Atlanta, GA, USA. GPA: 3.85  
Ph. D. in Computer Science Concentration in Bioinformatics  
Sept. 2004 – May. 2008
  - Georgia State University Molecular Basis of Disease (MBD) Fellowship
  - Georgia State University Scholarship
- **Fatima University**, Manila, Philippine. GPA: 1.87(1.00 is the best in their system)  
Completed One Year Medical Training in Dental Medical Doctor Program  
Oct. 2002 – Oct. 2003
  - Accomplished courses include: Genetics, Biochemistry, Physiology, Microbiology, Microscopic Anatomy and Embryology, Anatomy, Oral Anatomy, and Nutrition.
  - Outstanding student award (**first place in the class**)
- **Fu Jen Catholic University**, Taipei, Taiwan. GPA: 3.77  
B.S. in Computer Science and Information Engineering
  - 228 memorials Scholarship award (3 times)
  - Foreign Student Scholarship award

## PROFESSIONAL EXPERIENCE

- **University of Central Arkansas**
  - Professor in the Department of Computer Science 2020 – present
  - Interim Chair in the Department of Computer Science Jul. 2016 – Sep. 2016
  - Associate Professor in the Department of Computer Science 2014 – 2020
  - Assistant Professor in the Department of Computer Science 2008 – 2014

## TEACHING EXPERIENCES

### University of Central Arkansas

- CSCI 1340 Introduction Computer Programming for Non-Majors
- CSCI 1370 Computer Science I
- CSCI 2320 Data Structures
- CSCI 3360 Database Systems
- CSCI 3380 Computer Architecture
- CSCI 3385/5385 Artificial Intelligence
- CSCI 3V75: Internship
- CSCI 4370/5370 Data Mining

- CSCI 4V95: Independent Study
- CSCI 6371: Applied Data Mining
- CSCI 6V99: Master's Thesis/Project

### **Georgia State University**

- CSc 1319 Introduction Computer Programming for Non-Majors
- CSc 4320/6320 Operating System
- CSc 3410 Data Structure

### **PUBLICATIONS**

#### **Book**

1. **Bernard Chen.** "Wineinformatics – A New Data Science Application", contracted with Springer (8 chapters in total submitted and reviewed), to be published in early 2023.

#### **Peer-Reviewed Journal Publications (UCA student authors are underlined):**

1. Tian Qiuyun, Brittany Whiting, and **Bernard Chen.** "Wineinformatics: Comparing and Combining SVM Models Built by Wine Reviews from Robert Parker and Wine Spectator for 95+ Point Wine Prediction." Fermentation 8, no. 4 (2022): 164. (Impact factor 5.13)
2. Kwabla, William, Falla Coulibaly, Yerkebulan Zhenis, and **Bernard Chen.** "Wineinformatics: Can Wine Reviews in Bordeaux Reveal Wine Aging Capability?" Fermentation 7, no. 4 (2021): 236. (Impact factor 4.19)
3. McCune Jared, Alex Riley, and **Bernard Chen.** "Clustering in Wineinformatics with Attribute Selection to Increase Uniqueness of Clusters." Fermentation 7, no. 1 (2021): 27. (Impact factor 4.19)
4. Dong Zeqing, Travis Atkison, and **Bernard Chen.** "Wineinformatics: Using the Full Power of the Computational Wine Wheel to Understand 21st Century Bordeaux Wines from the Reviews." Beverages 7, no. 1 (2021): 3.
5. Dong, Zeqing, Xiaowan Guo, Syamala Rajana, and **Bernard Chen.** "Understanding 21st century Bordeaux wines from wine reviews using naïve Bayes classifier." Beverages 6, no. 1 (2020): 5.
6. Palmer James, Victor S. Sheng, Travis Atkison, and **Bernard Chen.** "Classification on grade, price, and region with multi-label and multi-target methods in Wineinformatics." Big Data Mining and Analytics 3, no. 1 (2019): 1-12.