Computer Science Department Open House

December 7, 2022

2:30 – 3:30 pm

DBH 288

December 8, 2022 4-5 pm on zoom

Agenda

- Sign in
- Meet the faculty!
- Learn about
    - Scholarships
    - Research Opportunities
    - Internships
        - STEM CRU will be there
    - CS Club
    - CAHSI

CS Faculty and Staff

- Tenured and Tenure Track
  - Dr. Tom Carter
  - Dr. John Sarraillé
  - Dr. Melanie Martin
  - Dr. Megan Thomas
  - Dr. Kyu Koh
  - Dr. Xuejun Liang
  - Dr. Daehee Kim
  - Dr. Ayat Hatem
  - Dr. Olivera Grujic

- Staff
  - Marlys Knutsen

- Lecturers
  - Dan Bratten
  - Joe Cash
  - Debbie Gomez
  - Ivan Mendez
  - Prerak Shah
  - Sargon Peyour

Scholarships for CS Majors

- S-STEM
- https://forms.gle/ub8xZwZF7tqoBne87

- Cal-Bridge
- https://www.cpp.edu/calbridge/index.shtml

- Josh Neal
- https://www.csustan.edu/financial-aid-scholarship/scholarship-information

Research and Internships

- Research Funding
    - McNair
    - https://www.csustan.edu/mcnair
    - LSAMP
    - https://www.csustan.edu/amp
    - SERSCA
    - https://www.csustan.edu/graduate-studies-research/student-opportunities/sersca-program
    - CAHSI Local REU
    - https://cahsi.utep.edu/local-reu/#list
    - Google Explore CSR – see Dr. Hatem

- Internships
    - ASPIRE: STEM CRU
    - https://www.csustan.edu/aspire/stem-cru
    - Bay Valley Tech - Modesto
    - Novo - Modesto
    - See Dr. Thomas's web page
    - https://www.cs.csustan.edu/~mthomas/jobhunting.html
    - Pathways to science
    - https://www.pathwaystoscience.org/
    - Go to Conferences with Career Fairs
    - Talk to CS students who have had internships; ask CS Faculty

CS Students

- CS Club
  - David Martinez, President
- CAHSI Student Advocate
  - David Lima-Jimenez

CAHSI

- Computing Alliance of Hispanic Serving Institutions https://cahsi.utep.edu/
- We are part of CAHSI
- Some opportunities for students
  - CAHSI Student Advocate
  - CAHSI Student Scholars Leadership Program
  - CAHSI Local REU
  - CAHSI Summit – co-located at Great Minds in STEM

Some ongoing research in CS

- Network and Social Data Analysis with Dr. Hatem
- Mobile Robotics with Dr. Liang
- Smart Farm and Big Medical Data with Dr. Kim
- Computational Thinking and CS Education with Dr. Koh
- TBD with Dr. Grujic
- Database and Cybersecurity with Dr. Thomas
- Data visualization, exploration, machine learning, and analysis of chemical and sensory wine data with Dr. Martin
- Natural Language Processing and Team Communication with Dr. Martin

To work with Dr. Martin

- https://www.cs.csustan.edu/~mmartin/Data_Mining/index.html

- Python

- R

- Weka
  - https://www.cs.waikato.ac.nz/ml/index.html

- NLTK
  - https://www.nltk.org/