

# Jake Hansen

<https://github.com/StateFromJakeFarm>

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## INTERESTS

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- Competitive programming
- Deep learning
- Audio analysis
- Python

## SKILLS

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- **Languages:** C++, Python3, TCL
- **Frameworks/Libraries:** PyTorch, Scrapy, Django
- **Additional Technologies:** Docker, SGE

## EDUCATION

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- **California State University, Chico** Chico, CA  
*Bachelor of Science in Computer Science (Spring 2019); GPA: 3.74* *Aug. 2015 – May 2019*

## EXPERIENCE

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- **CSU, Chico Research Foundation** Chico, CA  
*Deep Learning Research Assistant* *Dec. 2017 – May 2019*
  - Wrote web scraper using Scrapy framework to gather audio files from various free sound repositories
  - Created ensemble learning system using PyTorch framework to classify various urban sounds
  - Worked closely with professor to develop recurrent neural network architectures
- **Computer Science Department** Chico, CA  
*Student Teaching Assistant* *Aug. 2018 – May 2019*
  - Assisted students in upper-division course covering algorithms and data structures
  - Mentored students during lab section and office hours
- **Hewlett Packard Enterprise** Roseville, CA  
*Network Test Automation Intern* *June 2016 – Aug. 2018*
  - Developed and maintained an internal network equipment testing tool
  - Created script to automatically power-down unused equipment within an on-site lab to reduce power consumption
  - Wrote scripts using TCL and Python to monitor statuses of NFS mounts utilized by developer workstations
  - Onboarded and mentored 3 high school interns

## EXTRACURRICULAR EXPERIENCE

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- **Association for Computer Machinery (ACM)** *June 2017 – May 2019*  
*Chapter President*
  - Facilitated CSU Chico's participation in the annual Pacific Northwest ICPC Regional Competition
  - Led weekly club meetings to help members improve programming and problem-solving skills
  - Organized local programming competition among CSU Chico students each Spring semester
  - Worked with another club member to develop a website to automatically judge programming competitions