

Jake Hansen
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INTERESTS

- Competitive programming
- Deep learning
- Audio analysis
- Python

SKILLS

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

EDUCATION

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

EXPERIENCE

- **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
 - Expanded internal testing framework to automatically provision several network controller models
 - Onboarded and mentored 3 high school interns

EXTRACURRICULAR EXPERIENCE

- **Association for Computing 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