

# Chengyu “Simon” Chu

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## EDUCATION

**Wilkes University — GPA: 3.88 / 4.00**

*Anticipated Graduation Date: May 2020*

— Bachelor of Science in **Computer Science**, Minor in **Mathematics**

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## SKILLS (IN ORDER OF PROFICIENCY)

**Languages:** Mandarin English French Python Java C Swift MATLAB NetLogo C++ JavaScript Script

**Web Development:** Apache2 Nginx HTML & CSS Markdown PS Google Cloud Platform AWS

**Data Science:** Tableau OpenCV scikit-learn NumPy Pandas SVM ANNs

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## EXPERIENCE/PROJECTS

### Wilkes-Barre, PA

**Undergraduate Researcher**, Math & CS Department, Wilkes University

**June 2017 – Present**

- ✦ Principally responsible for the training dataset to support SVM & animal-face-cropping Haar Cascade™
- ✦ Responsible for the classification and the visualization of the dataset using Tableau™
- ✦ Support Metadata for the dataset utilizing XMP standard and build Python APIs / Libraries for developers.
- ✦ Provide research software support, including OpenCV, scikit-learn and Python libraries' installation
- ✦ Assist in the development and implementation process of the animal-face-cropping Haar Cascade™

**System Manager**, Math & CS Department, Wilkes University

**May 2017 - Present**

- ✦ Principally responsible for department network and computers, including PCs, Macs, Unix boxes and two computer labs. Provide course software support.
- ✦ Daily hardware maintenance and weekly software update / system upgrade
- ✦ Responsible for setting up machines for Wilkes campus and regional events

**Teaching Assistant**, Math & CS Department, Wilkes University

**Aug 2017 - Present**

- ✦ Lab Assistant for Computer Science I lab sessions
  - ✦ Help students resolve lab machines' login / password reset / account permission issues
  - ✦ Help students debug programs during lab sessions
  - ✦ Write lab procedures and software instructions
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## LEADERSHIP

### Wilkes-Barre, PA

**Resident Assistant**, Residence Life, Wilkes University

**Aug 2017 - Present**

- ✦ Serve as a leader and mentor for 11 residents by programming 20+ community and career development events.
- ✦ Responsible for the safety and residential need of 340 residents over the course of the entire academic year
- ✦ Participate and facilitate staff meetings, hall programs and campus events.
- ✦ On-Call responsibilities and crisis management

**E-Mentor**, Student Development, Wilkes University

**June 2017 – Present**

- ✦ Student Coordinator during Wilkes University First Year Student Orientations
- ✦ Facilitate and participate in programs host by Wilkes University Department of Student Development
- ✦ Answer questions from the mentees and their parents
- ✦ Responsible for the safety and residential need of students who stay overnight during orientation sessions

**Secretary**, Asian Culture Society, Wilkes University

**January 2016 – Present**

- ✦ Responsible for the e-mail communication with members of the club and promotion of the club on campus
- ✦ Facilitate and participate in cultural programs of the club
- ✦ Responsible for setting up club meetings and the selection process of the club personnel

**Admission Office Student Ambassador**, Office of Admissions, Wilkes University

**November 2016 – Aug 2017**

- ✦ Giving campus tours during Wilkes University Open House / VIP Day
- ✦ Answer questions from prospective / admitted students and their parents during Wilkes events
- ✦ Planning and preparing facilities for Admissions Office events