

# Chengyu “Simon” Chu

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## EDUCATION

**Wilkes University — GPA: 3.91 / 4.00**

*Anticipated Graduation Date: May 2020*

Bachelor of Science in **Computer Science** — GPA: 4.00 / 4.00

Minor in **Mathematics** — GPA: 4.00 / 4.00

**COURSES** Calculus I II & III, CS I & II, Differential Equation; Linear Algebra, Discrete Math, C & Unix, Networks

**SKILLS** Python Java HTML & CSS Script Google Cloud Platform™ MATLAB™ Swift OpenCV scikit-learn SVM

## EXPERIENCE/PROJECTS Wilkes-Barre, PA

**AI Research Project**, Math & CS Department, Wilkes University

**June 2017 – October 2017**

- ✦ 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.
- ✦ Responsible for setting up OpenCV, scikit-learn, and other software that being used during training process
- ✦ Assist in the development and implementation process of the animal-face-cropping Haar Cascade™

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

**May 2017 - Present**

- ✦ Daily hardware maintenance and weekly software update
- ✦ Ensure the security and the reliability of the department network and lab computers
- ✦ Write scripts to optimize the maintenance process
- ✦ Responsible for installing systems for new machines and setting up machines for Wilkes or 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

## 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