

# Simon Chu

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## EDUCATION

**Wilkes University — GPA: 3.93 / 4.00**

*Anticipated Graduation Date: May 2020*

- B.S. in **Computer Science** and **Mathematics**, Wilkes-Barre, PA

## SKILLS

**Languages:** Golang, Python, Java, C, C++, SQL

**Cloud Computing / ML:** Docker, GCP, scikit-learn, Turi Create, TensorFlow, Core ML

**VR / AR:** Unity, Google VR SDK, ARKit, OpenCV, WebGL

**Web Development:** Bootstrap, HTML5, CSS, JavaScript, MySQL, MariaDB, MongoDB

**Native proficiency in Mandarin and English.**

## TECHNICAL EXPERIENCES Wilkes-Barre, PA

**Project Leader, Virtual Campus Tour**, Wilkes University Integrated Media Dept.

*Mar. 2018 – Present*

- Oversee the Virtual Campus Tour application development virtual reality devices, web, and mobile platforms.
- Integrated existing C# scripts with Google VR SDK, reduced loading time by 10%, significantly lessened dizziness.
- Optimized existing web-based 360-image viewing/navigation application using WebGL, and HTML5 Canvas.
- Design high-resolution image viewing/navigation tool for Sordoni Art Gallery using ARKit platform.

**System Manager**, Wilkes University CS Dept.

*May 2017 – Present*

- Responsible for CS departmental networks, LDAP server, and lab computers.
- Developed scripts to automate routine updates, software installation, large file distribution, storage, and backups.
- Assisted with large-scale Ubuntu system migration, hardware replacement, and ACM programming contests.

**SEO Intern**, LSEO LLC, A Top 15 Digital Marketing Agency

*Jan. 2018 – May 2018*

- Assisted content marketing team with the design and implementation of 5+ clients' web-based projects.
- Analyzed website statistics, generated and visualized data using Google Analytics, SEMrush, and Tableau.
- Monitored web traffic, detected malicious traffic and vulnerabilities on clients' projects.

**Lead Undergraduate Researcher, Animal Image Recognition**, CS Dept.

*May 2017 – Aug. 2018*

- Developed the TensorFlow and scikit-learn ML Models using SVM and Convolutional Neural Network.
- Implemented scripts for distributed model training, parallel computing, model evaluation, and statistical analysis.
- Generated metadata for the dataset utilizing XMP standard and built Python API for future developers.
- Assisted developing face-cropping Haar Cascades, increased the detection accuracy by 15% by restructuring the dataset and data encoding.

## CAMPUS ACCOMPLISHMENTS Wilkes-Barre, PA

**President**, Wilkes University CS Club

*Aug. 2018 – Present*

- Responsible for communicating with club members and promoting the club on campus.
- Facilitate 25+ educational, social, and programming contests/hackathons throughout the academic year.

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

*Aug. 2017 – Present*

- Serve as a leader and mentor for 19 residents by planning 20 community and career development events.
- Responsible for the safety and residential needs of 340 residents throughout the academic year, CPR Certified.

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

*Nov. 2016 – Aug. 2017*

- Gave campus tours and assisted during Wilkes Events.
- Answered questions from prospective students and their parents.