

# Skyelar Singh Head

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## GOAL

MY GOAL IS TO acquire a Master's degree in computer and electrical engineering with supporting technical certificates and business skills while retaining a focus on South Asian Studies, specifically India.

## SKILLS & COMPETENCIES

- Build Computers & Drones (5 yrs)
- Microsoft Office Suite Windows (5 yrs)
- Lead rock climbing (3 yr)
- Spanish (3 yrs)
- Tabla (8 yrs)
- Arduino Projects (2 yr)
- Lightworks video editing (3 yrs)
- Photography (DSLR & GOPRO) (2 yrs)
- Punjabi (3 yrs)
- Vaaja (8 yrs)
- MATLAB, Mathematica, and LabVIEW (1 yr)
- AutoCAD Design (4 yrs)
- Java Programming (1 yr)
- Mobile Devices Troubleshooting (4 yrs)
- Radio Theory (1 yr)

## EDUCATION

Texas A&M, College Station, TX    GPA: 4.0    Expected Graduation: 2021

- College of Engineering - Computer & Electrical Engineering
- Minors: Mathematics & South Asian Studies, specifically India

Austin Community College, Austin, TX    GPA: 3.79    Expected Graduation: 2019

- Honors College: Engineering Physics II
- Chevron Engineering Academy-Computer Engineering
- T-STEM Merit Scholarship for Associate in Science

High School Diploma - Lake Travis High School, Austin, TX    June 2017

- Lake Travis Distinguished Scholar, AP Scholar
- Departmental Award in Engineering, Computer Science, & Architecture

## CERTIFICATIONS

Boater Education License    June 2018 to Present

License to operate watercrafts on both lakes and oceans in the US and Canada.

HAM Technician Class Operator    January 2018 to Present

FCC-issued amateur radio license for private and emergency services. Radio theory, regulations, and operating practices. Can communicate locally and within US.

Search and Rescue: FEMA ICS-100 & 200    January 2018 to Present

Certified to understand and utilize the Incident Command system developed by the government, for the use in natural disasters to lost hikers.

Lead and Top Rope Belay Certified    May 2016 to Present

Am certified to lead belay/climb and top rope belay/climb at the Crux Climbing Center in Austin, Texas, and Khalsa Center Miracle Valley in Mission, British Columbia.

CompTIA A+    September 2016 to September 2019

Studied for 25 days in high school to get this certification, after building four computers and one drone.

## AWARDS & RECOGNITION

Intro to Engineering Research Scholarship to Mexico    May 2018

Received a scholarship to explore everyday problems in Mexico that are also relevant to Texas.

Engineering, Computer Science, Architecture Departmental Award    June 2017

Of 663 graduates presented the Lake Travis Departmental Award in recognition of my accomplishments.

## Lake Travis Distinguished Scholar & AP Scholar

June 2017

Graduated with rigorous coursework in AP Calculus based Physics, AP Calculus AB, and AP Computer Science Principles, 100+ community service hours, and 34 dual credit hours at Austin Community College. Scored 3/5 or higher on three AP exams: computer science principles, calculus BC, and world history.

## WORK & SERVICE EXPERIENCE

### Internship

Summer 2018

Summer Intern Department of Defense, Department of Army | Washington DC  
Spent summer engaged in research and supporting problem solving. Presented results of research and analysis to entire office, to aid with future contractor negotiations. With the help of my mentor, learned how to manage relationships with contractors, and peers.

### Technology Support Assistant

September 2016 to May 2017

Lake Travis High School | Austin, Texas  
Assist in the management of re-imaging and troubleshooting broken computers.

### Khalsa Center Miracle Valley Counselor and Tech Support

June 2015 to August 2016

Satnaam Education Foundation | Mission, British Columbia  
Managed campers to help them conquer their fears and managed all the technology at the camp.

### Project Site Manager

June 2016 to June 2016

Khalsa Center Miracle Valley | Mission, British Columbia  
I planned, designed, and managed the construction of a 225 sq ft treehouse. I designed and built a 15ft pedestrian bridge across a creek while managing 4 workers.

## HONOR SOCIETIES

### IEEE Eta Kappa Nu (HKN)

December 2018

### Phi Theta Kappa, Community College

February 2017 to Present

### National Society of Collegiate Scholars, Community College

May 2016 to Present

### National Honor Society, High School

August 2016 to June 2017

## CLUBS

### Amateur Radio Club

January 2019

Will practice different amateur radio techniques and participate in field days and foxhunts.

### Robotics Club President, High School

September 2016 to June 2017

Elected president and managed the team and construction of a robot to throw stars over a fence.

### Technology Student Association Treasurer, High School

September 2013 to June 2017

Elected treasurer and managed the money and costs involved.

## CONFERENCES

### CompTIA ChannelCon 2017, Austin TX

August 2017

Be the Change: Learned about future trends, skills for workplace, and met with industry leaders.

## SPORTS

### Rookie Tri

May 2017

Third place in age group in my first triathlon that included 400m swim, 12-mile bike, and 2-mile run.

## LANGUAGES

### Spanish - fluent in conversational, reading and writing

March 2015 to June 2017

### Punjabi - fluent in reading/writing. Intermediate in conversational

March 2015 to June 2017