

# Tiger Talent

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**DATE AVAILABLE TO BEGIN WORK:** Immediately (or put the date you can begin)

## EDUCATION

### **Bachelor of Science, Computer Science (Honors)**

University of Memphis, Memphis, TN  
Major GPA: 3.97, Cumulative GPA: 3.94  
Expected Graduation Date: December 2021

## TECHNICAL SKILLS

Languages: C++, C, Java, Python, JavaScript and Octave  
Internet Technologies: Java Servlets, JSPs, HTML, CSS.  
Operating Systems: Linux, Windows (7, 8)  
Databases: MySQL Graphics: OpenGL

## WORK EXPERIENCE

### **Undergraduate Research Assistant, May 2015 - Present**

Netlab Networking Research Lab, University of Memphis, Memphis, TN

**Supervisor:** Dr. Lan Wang, 901-678-3333

**Salary:** \$15/hour **Job Type:** 20 hours week/part time

- Work on the Named Data Networking (NDN) project.
- Optimize scripts to run faster (2 minutes to <10 seconds), in Perl.
- Maintain status scripts that parse log files and display information regarding link states and announced prefixes dynamically.

## PROJECTS

### **Network Visualizer, Spring 2019**

**Professor:** Dr. Top Malrisa, 901-678-3333

**Job Type:** 5 hours week/part time

Developed a network visualization program that visualizes the internet using BGP update messages from a live stream in C++.

- Powered by OpenGL technology to allow scalability for visualization clusters, primarily for research purposes.

### **Assembler, Fall, 2018**

- Established an assembly/emulator environment based on a custom assembly language, in Java.
- Implemented graphical UI that shows users exactly how data is handled between memory and registers.

## VOLUNTEER

### **Officer Association for Computing Machinery (ACM), 2015 - Present**

University of Memphis

- Created a new ACM website and planned events.

### **Member, University of Memphis IEEE, Aug 2016 – May 2017**

- Team member: built a Robot for IEEE Southeast Conference Hardware Competition.

**Discover Your Major Day – Computer Science booth, Mar 2016**

**Demonstrated Network Visualization program at High Schools, 2016 - 2017**

## AWARDS

- **Dean's List, Fall 2014 - Present**
- **Stanford's Online Machine Learning Award, Spring 2016**