

# Tony Zhu

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## Education

**Texas A&M University**, College Station, TX  
BS in Computer Science  
Class of 2021

**Phillips Exeter Academy**, Exeter, NH  
David T. Swift Proctor Award  
Class of 2017

## Skills

**Languages:** Fluent in Java | Experienced in C# and HTML/CSS | Python, C++, Javascript

**Tools:** Unity | Agile/Scrum Methodology | Git | CI/CD | Jira & Confluence | Linux | .NET

**Libraries/Packages:** React Native | Keras & Tensorflow | OpenCV | Tesseract OCR | Beautiful Soup 4

**Miscellaneous:** Ideation Process | Rapid Prototyping | Public Speaking | Video Editing | Ultimate Frisbee

## Experience

### **Software Engineer Intern, Schneider Electric | June 2018 - August 2018**

Microsoft HoloLens app to showcase a variety of Schneider products in AR. Development process includes extensive use of Unity, C# scripting, Visual Studio (Team Services), 3D modeling, and Agile workflow.

Ongoing automation of company-wide product configuration utilizing Computer Vision, Machine Learning, and OCR. Problems include PDF parsing, noisy image filtering, and extreme request variability. Tools include C#, .NET Framework, Python, OpenCV, Tesseract.

### **Intern, Cycorp AI | June 2016 - August 2016**

Debugged and tested software products in a Scrum/Agile workflow environment.

Programmed high level software in C# and CyCL for company projects and products.

### **Software Developer, A&M University VR Research | December 2017 - August 2018**

Hired onto graduate research project to develop virtual reality software in Unity: a VR application that displays stress points, fractures, and simulations of 3D objects from the software Abaqus.

### **Research Assistant, A&M Deep Learning Lab | November 2017 - May 2018**

Weekly topics and challenges on neural networks (Keras/Tensorflow in Python) assigned and supervised by Dr. Anxiao Jiang. Recent challenges involve a MNIST recognizer and a chatbot (NLP processing) by neural networks.

## Projects

### **MoshMusic [React Native] | SXSW Hackathon, March 2018**

Created multi-paged front end Android mobile application in React Native. Social network app creating connections based on Spotify data/playlists. Allows event hosts to create master playlists generated from attendee's music preferences.

### **Samaritan [HTML/CSS] | HackTX, October 2017**

Built front end of minimalist website with dynamic animations, browser-based sizing, and Google Maps display. Community-based app which allows "favors" to be requested and fulfilled for reputation points and eventually money.

## Activities

### **Project Manager, Aggie Coding Club | Sept. 2018 - present**

Lead 12 students to build a reddit-like forum for all classes on campus. Front-end built with ReactJS, back-end with Flask. Teach and guide many inexperienced students through the learning process and ultimately create a full stack web application.