Xinyi Xiang

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Activities

Tsinghua Tongfang Co., LTD -Algorithm Engineer Intern

June 2019 - September 2019

Completed classification work over 9 categories of vehicle pictures, implemented ResNet-50 version with caffe and CNN with Tensorflow, familiar with utilizing the prototext files and cpp tools. Revised on the presented work during the 2019 IEEE 9th International Conference on Electronics Information and Emergency Communication(ICEIEC)

NOCO Math Club —Club leader

September 2017 - June 2019

Founded the Math Club and organized seminars on various math topics and the history of math; hosted group study sessions for AMC 10 & 12

NOCO Dev Team, computer science club— Vice president

September 2017 - June 2019

Worked in developing computer applications and softwares using Java and C# codes. So far we've developed a school calendar application and are working on a VR game. Organized weekly seminars and presentations on current technology events.

Internship at Midnight Status - Game designer and programmer

June 2018 - July 2018

Cooperated with co-interns to create a stream SDK game; wrote code for the inventory system and the map system (incorporated into character setups)

NOCO Varsity Girls Basketball — Forward Position

October 2016 - February 2017, October 2017 - February 2018

Played the Forward position on the Varsity team (rebounded missed shots in games); participated in daily practices and TCIS and VISAA tournaments

Projects

- School Calendar App
- 100% Aid: a blockchain project assisting charity donation process
- Racing game Hover Car, Atari-style galaxy game
  - Made related websites using HTML

Experiences

TechX 2019 Academy House Lead
July 19 - August 1
Location: Shanghai Institute of Science and Technology

NASA affiliated Virginia Earth System Science Scholars (VESSS)Program
December 2018-April 2019
College Level Course

Artificial Intelligence Computing Conference 2019 Special Guest
August 27-28, 2019

Virginia Society for Technology in Education(VSTE) Presenter
November 30-December 2
Presented and illustrated to children principles of game developing apps and game design ideas

PixelFest 2018 Volunteer
October 5-6
Developer Conference
Location:Norfolk,VA

Engineering Innovation Program
June 24 - July 21
Location:Johns Hopkins University

TechX 2018 technology summit-Machine Learning course
July 25 - August 21
Location: Shanghai No.2 Industrial University

AMC 10
February 7,2017
Attended the Competition and received 91.5 on AMC 10 A

Studied programming on leetcode, coursera and codecademy
August 2016 - present
- Machine Learning 96.5
- Programming for everybody 95.0
- C#programming and

- A 2D RPG game that utilized streamSDK and HeroKit developer kit in Unity, written in C#
- TechX 2019 Event Co-Organizer(Academic group and Media group)
- Realm Social App Front End Developer(Self-taught HTML CSS and application of frameworks)

Volunteer activities

- ❏ Teaching IT program in Sri Lanka
  - ❏ June 21-July 3 2017
  - ❏ Worked as IT teacher to increase the perspectives of local kids and women about computer technologies
  - ❏ Location:Panadura, Sri Lanka
- ❏ Carolton Oaks Society
  - ❏ September 2017 - June 2019
  - ❏ Volunteered as a campus tour guide to lead school visits for prospective students and their families, shared experience as an attending student.
- ❏ Norfolk Forum
  - ❏ January 17,Usher
  - ❏ September 26,Usher
  - ❏ Location:Chrysler Hall in Norfolk, VA
- ❏ Presidential Election of 2016
  - ❏ November 8, 2016
  - ❏ Volunteered at local poll station assisting voters

Awards and Honors

- ❏ AP Scholar with Distinction Award NATIONAL 12
- ❏ 2019 Excellence in Statistics SCHOOL 12
- ❏ Third Place in China Division at the Purple Comet Math Contest NATIONAL 10
- ❏ 2018 Excellence in Chemistry SCHOOL 11
- ❏ Community Service Distinction Award (volunteered 78 hours in Grade 11) SCHOOL 11
- ❏ Washington and Lee University Alumni Book Award SCHOOL 11

- unity
- Fundamentals on computer system
- DeepLearning.ai

Cyber Saturday Program for Hampton Roads High School Students
March 25,2017
Location: Tidewater Community College

High School Model UN
November 17-19,2017
Location:College of William and Mary

Computer languages

- Java(4 years of experiences)
- Python(Learned on codecademy, coursera,google tech dev guide)
- C#(3 year of experiences)
- JavaScript,HTML,SQL and similar design languages

Standardized Test Scores

- GPA 95.5/100(3.82/4.0)
- SAT 1460/1600
  - Taken on August 25,2018 and October 6,2018
  - Math 800/800
  - Reading 660/800
- TOEFL 104/120
  - Reading 26/30
  - Listening 26/30
  - Speaking 28/30
  - Writing 24/30