

PHILIP XU

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EDUCATION

Brown University

Sc. B. in Applied Math and Computer Science

September 2016 - Present

EXPERIENCE

CS1470 - Deep Learning, Brown University

Teaching Assistant

Sep. 2017 - Dec. 2017

- Assisted in the continuous development of the course curriculum in a manner supporting a hand-on and research-focused approach to student learning.
- Provided assistance for students both conceptually and practically.
- Worked closely with Professor and the rest of the teaching staff to provide a smooth educational experience.

Samsung R&D Institute - Machine Learning Lab

Research Intern

Jun. 2017 - Aug. 2017

- Researched and developed a neural model using Generative Adversarial Networks for automatic colorization of sketch designs for uses on new Samsung flagship smartphones.
- Optimized and compressed networks for adaptation onto smartphones.
- Worked extensively with Generative Adversarial Networks, Deep Convolutional Networks, Python, Tensorflow, Keras, NumPy.

HiScene Inc.

Research Intern

Aug. 2017 - Sep. 2017

- Developed a photographic data collection and labeling Android application for machine learning.
- Developed and implemented Caffe models for image recognition on Android devices for uses in augmented reality.

Applico Inc.

Intern Software Engineer

June. 2015 - Aug 2015

- Implemented a social media platform.
- Developed iOS application, Android application, JavaScript based web-application, Node.js based backend deployed on Heroku Cloud utilizing MongoDB Database, Raspberry Pi to hardware interface.

TECHNICAL STRENGTHS

Computer Languages

Python, Java, HTML, CSS, Javascript, Node.js, Meteor.js

Libraries & Modules

Keras, Tensorflow, Caffe, NumPy, Pandas

RELEVANT COURSES

Core Courses

Discrete Structures / Probability
Intro to Software Engineering
Deep Learning
Machine Learning
Computational Linguistics

Other Courses

Linear Algebra
Statistical Inference
Applied Ordinary Differential Equations
csciStartup

EXTRA-CIRRUCLAR

Treasurer of Brown Swing Club