

Philip Xu

STUDENT · DATA SCIENTIST · SOFTWARE ENGINEER

69, Brown St, Mail 8978, Providence, RI 02912, USA

☎ (+1) 203-308-3693 | ✉ philipxjm1@gmail.com | 🌐 wonderphil.net | 📱 philipxjm | 🌐 philip-xu-2a47b799 | 📧 philipxjm

Education

Brown University

SC. B. IN APPLIED MATH AND COMPUTER SCIENCE

Rhode Island, USA

September 2016 - PRESENT

Choate Rosemary Hall

HIGH SCHOOL DIPLOMA

Connecticut, USA

September 2012 - 2016

Experience

CS1470 - Deep Learning, Brown University

TEACHING ASSISTANT

Providence, USA

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 Research and Development Institute - Machine Learning Lab

RESEARCH INTERN

Beijing, China

Jun. 2017 - Aug. 2017

- Developed a neural model using Generative Adversarial Networks for automatic colourization of sketch designs.
- 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

Shanghai, China

Aug. 2017 - Sep. 2017

- Developed a photographic data collection and labeling Android application for machine learning.
- Implemented Caffe models for image recognition on Android devices.
- Worked extensively with Android, Java, Caffe.

Applico Inc.

INTERN SOFTWARE ENGINEER & PLATFORM DEVELOPER & BACKEND DEVELOPER

New York City, USA

June. 2015 - Aug 2015

- Implemented a social media platform.
- Utilized Node.JS, Javascript, HTML, CSS, Objective C, Java, Python, C, Raspberry Pi, Heroku, MongoDB.
- 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.

Research, Optical Character Recognition(Dr. Matthew Bardoe)

RESEARCHER FOR ARTIFICIAL NEURAL NETWORK BASED OPTICAL CHARACTER RECOGNITION

Connecticut, USA

Sep.2015 - June. 2016

- Researched means of converting optical images of characters into text information using artificial neural networks.
- Implemented prototype that users can use to construct and train neural networks for their OCR uses.

Skills

Computer Science

LANGUAGES AND LIBRARIES

- Java, Python, Objective C, HTML, CSS, Javascript
- JQuery, Bootstrap, Node.js, Meteor.js, MongoDB, SQL
- Keras, Tensorflow, NumPy, Pandas

Software

SOFTWARE USAGE

- Pycharm, IntelliJ IDEA, XCode, Sublime Text 2/3, VIM, GNU Nano, Illustrator, Photoshop
- Terminal, SSH, Git

Interests

Extracurricular

ACTIVITIES

- Sports: Swing Dancing, Badminton, Ultimate Frisbee, Ski, Snowboard
- Instruments: Cello, Piano
- Music: Classical, Jazz, Classic Rock, Electro Swing
- Others: Go, Mentoring, Graphic Design

Languages

EVERYDAY AND PROFESSIONAL

- English
- Chinese