TONY WANG –TENGYUE–

Computer Engineering | AI / MR / DL Enthusiast | Filmmaker / Director

tontytont.github.io
github.com/STBTony
ca.linkedin.com/in/tontytont
(226) 978-7007
tontywang@gmail.com

EXPERIENCE

Amazon A9.com — *Software Development Engineering Intern*

Atlanta, GA, Sep 2018 - Dec 2018

Coordinated and delivered 2 Agile fashion oriented visual search projects in 2 months. Reduced 3D image processing time by 92% via parallel cloud computing and a new search algorithm. Conducted research on potential deep learning image segmentation solutions in Amazon Partfinder service. Presented findings at cross-organization conferences.

McAfee Inc. — *Release Engineer*

Waterloo, ON, Jan 2018 - Apr 2018

Managed 200+ virtual machines and servers. Introduced Chef automation infrastructure to the company. Led the development of a cybersecurity slack integration using NLP and presented at company-wide conferences.

Autodesk Canada Co. — *Software Developer*

Montréal, QC, May 2017 - Aug 2017

Managed an administration dashboard project with agile. Completed 50+ tickets on Fusion 360 regarding front and back-end geometric computing.

Kik Interactive Inc. — *Full Stack Developer*

Waterloo, ON, Sep 2016 - Dec 2016

Developed 20+ significant features on the ChatBot platform and delivered a comprehensive data migration affecting 9 million monthly users.

CIBC Live Labs — *Innovation Engineer*

Toronto, ON, Jan 2016 - Apr 2016

Prototyped 5+ projects on full stack and mobile using emotional/facial recognition and location detection technologies on wireless network.

EDUCATION

UWaterloo, Candidate — *B.A.Sc., Computer Engineering*

Waterloo, ON, Sep 2015 - Apr 2020

Minoring in Cognitive Science. Studying artificial intelligence, robotics, analog/digital circuits, operating systems, security, and compilers.

SZ Institute of Technology, Student — *Graphic Design*

Shenzhen, China, Sep 2012 - Feb 2014

Studied computer-aided design, digital art, animation, and fine arts.

PROJECT MANAGEMENT

SDLC Models, Jira, Trello

LANGUAGES

Python, C, C++, Java, Javascript, Groovy, Perl, ARM assembly, VHDL

DEVELOPMENT

Android, Unity, ReactJS, AngularJS, VueJS, WebGL, Three.js, NodeJS, Express, Webapp2, Flask, Socket.io

MongoDB, PostgreSQL, Ndb, Tensorflow, Caffe, OpenCV, Mask R-CNN, Choregraphe, DeVise, SlackBot, KikBot

OTHERS

AWS, GCS, Gdlp, Redis, Fabric Jenkins, Chef, Vsphere, Jupyter Notebooks

Premiere, Davinci Resolve, Photoshop, Lightroom

PROJECTS [GITHUB]

Convolutional Neural Network for Image/Video Recognition on Firearms
AR Mobile Workstation
Music Tempo Spotify Playlist Generator
Unity Third Person Parkour Controller/Mecanim

AWARDS

Finalist in the Procida International Film Festival
Finalist in Newark International Film Festival
2nd Place in China Arch Photography Contest