TONY WANG   –TENGYUE–

3A Computer Engineering | AI/MR/DL Enthusiast | Indie Filmmaker

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EXPERIENCE

McAfee Inc., Waterloo, ON — *Release Engineering Intern*

Jan 2018 - Apr 2018

Managed 200+ virtual machines, build environments and servers. Introduced Chef infrastructure to linux servers and deployed automated Chef scripts to 10+ virtual machines.

Autodesk Canada Co., Montreal, QC — *Software Developer*

May 2017 - Aug 2017

Completed 50+ tickets on JIRA for the initial release of Fusion 360 regarding frontend user experience and backend geometric computing. Built an admin dashboard on React for AWS, Redis and Jenkins management.

Kik Interactive Inc., Waterloo, ON — *Full Stack Developer*

Sep 2016 - Dec 2016

Developed 20+ significant features and delivered a comprehensive data migration on Kik's Bot Platform affecting millions of monthly users.

CIBC Live Labs, Toronto MaRS, ON — *Innovation Engineer*

Jan 2016 - Apr 2016

Prototyped 5+ projects in a small team of 4 using emotional/facial recognition and location detection technologies, and presented to directors from different organizational levels.

EDUCATION

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

Sep 2015 - Apr 2020

Minoring in Cognitive Science. Studying analog/digital circuits, embedded/operating systems, and compilers.

Shenzhen IoT, Student — *Graphic Design, Animation*

Sep 2012 - Feb 2014

Studied traditional and digital art, from sketching and painting to 3D characters modelling and animation background design.

LANGUAGES

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

FRAMEWORKS

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

MongoDB, PostgreSQL, Ndb, SlackBot, KikBot, MessengerBot, OpenCV

OTHERS

AWS, Redis, GCS, Jenkins, Chef, Vsphere, Darknet Neural Networks

PROJECTS [GITHUB]

Neural Network for Firearms Image Recognition
AR Mobile Workstation
Spotify Playlist Generator
Unity Third Person Parkour Controller/Mecanim

AWARDS

Nomination for music video short film in the Procida Film Festival

2nd Place in China Archfans Photography Contest

1st Place McAfee Foosball Amatuer League