吳宗欣

Wu "Josh" Tsung-Hsin

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EDUCATION

National Tsing Hua University	*Sep. 2015 - Present*

Undergraduate
Department of Computer Science

TECHNICAL STRENGTHS

Computer Languages	C, C++, Java, Scala, C#, Python, Matlab, Verilog, HTML, CSS, JS
Platforms & Frameworks	OpenStack, Kubernetes, Keras, Arduino, Unity, OpenGL, MPI, CUDA, OpenCL, MapReduce, Spark
Language Certifications	JLPT N2(2017), TOEIC 780(2014), GRE V151/Q169/AWA3.0(2018)

EXPERIENCE

WASAI Technology	Feb. 2019 - June 2019

System Software Engineer Intern

· Accelerating Apache Spark MLlib with JNI and Intel FPGA-based OpenCL

NTHU Large Scale System Architecture Lab	March 2018 - Nov.2018

Undergraduate Research Project

· Testing and installing OpenStack Kuryr on Lab's cloud service

NTHU Center for Teaching and Learning Development	July 2017 - Dec.2017

Part-time IT engineer

· Computer hardware and network maintenance, and software development

NTHU Visual and Learning Lab	March 2017 - Nov.2017

Undergraduate Research Project

· Path planning on Google Maps with Deep Learning using TensorFlow

PROJECTS

RISC-V C Compiler	June. 2019

· A simple RISC-V C language compiler built with Flex and Bison

Twitch Popper	Nov. 2017

· A chrome extension allowing Twitch user to pop chatroom out in full screen mode.

Scribe Arbeit	July 2017

· A subtitles generator with Google speech recognize API and TK GUI.

Image Uploader	June 2017

· A simple HTTP image server based on C# socket.

FPGA Video Volleyball Game	Dec. 2016

· The final project of Hardware Design. Implement a volleyball game on a Xilinx FPGA board.