TIK CHUN TONG 唐迪进

联系方式

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Email: tikchun.tong@mail.utoronto.ca

Github: https://github.com/TikChun

教育经历

- **University of Toronto**（多伦多大学，现大三学生）
  2020 至 2021 （大一）
  工程科学
  2021 至 2025 （大二至大四，时间包含了毕业要求的实习时间）
  电脑工程
  PEY Co-op (因学校毕业要求，对工作有一定硬性要求，已在简历最后列出)
- **核心课程:**

  电脑工程相关课程:

ESC180 Intro to Computer Programing（编程入门）	Grade: A-
ESC190 Computer Algorithm & Data Structure（算法与数据结构）	Grade: B+
ECE244 Programming Fundamentals（编程基础）	Grade: A
ECE241 Digital System (Verilog)（电子系统）	Grade: B
ECE243 Computer Organization (ARM 汇编语言)	Grade: A-
ECE297 Software Communication & Design	Grade: B
ECE345 Algorithm and Data Structure	Grade: A
APS360 Applied Fundamentals of Deep Learning（深度学习的应用）	Grade: B
ECE361 Computer Networks (进行中)（电脑网络）	
ECE344 Operating System (进行中)（操作系统）	

  其它：

  ESC101&102 Praxis 1&2 (工程设计的流程与团队合作)

技能

- 编程: Python, C, C++, MATLAB, Verilog, ARM Assembly, R, html,css,Pytorch
- 电气工程相关: Typhone hill, Modelsim, Multisim.
- CAD/Design: Sharp 3D, TCAD simulation by Sentaurus

经历

2021/1 – 2021/4

- 经历了产业工程设计的标准流程。
- 成果：成功为视觉障碍人群设计了可以在家识别衣物的工具，而不需要他人协助。
- 在最终的演示中提供简易的手机 app 的 demo（Adobe XD）

2022/1 – 2022/4 (ECE297)

- 建造了一个地理信息系统软件，可以用于搜索地理位置，路径规划与导航。
- 这是一个基于 Linux 系统，用 Git 做版本控制，以 C++编写的团队项目。
- 应用了多种数据结构，以取得更快的加载速度与更好的用户体验。
- 初始的路径搜索是基于 Dijkstra 算法，后被进一步改进为 A*

2022/4 (ECE243)

- 基于 Verilog 编写一个可以执行部分汇编语言操作的 CPU。共包含四个寄存器，可以执行包括"mv,mvt,add,subs,ld,st,push,pop,bl,cmp,lsl,lsr,ars, and ror"在内的汇编操作。
- 用 ARM 汇编语言编写"计算器"程序
- "计算机"程序被用以测试 CPU 的功能性

2022/9 – 2022/12 (APS360)

- 基于 Pytorch 的团队神经网络编写与训练项目
- 主题：通过缩略图来分类视频
- 架构：一个预训练的 GoogleNet 和 一个全连接神经网络
- 合作平台：Github
- 结构：测试正确率 77.6%，准确率：77.69%， 召回率：77.54%
- Result: Test accuracy of 77.6%, precision of 77.69% and recall of 77.54 %.
- 有一点运用 Python Qt 进行 UI 设计的经历

2023/1 – 现在 (ECE361)

- 电脑网络项目
- 第一阶段：文件传输 （当前）
  - 基于 UDP，已实现应答

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- o 流量控制
- o DNS
  - 第二阶段：文字会议（即将开始）
    - o 群聊
    - o 多用户
    - o 登录
    - o 更多功能或会实现

额外经历

志愿者项目"Diving & Marine Conservation Project in Thailand"　　　July 2019

- Participated in Coral Watch program to help preserve corals.
- Participated in actions that help preserve mangrove forests.
- Deepen the understanding of the least developed region in Thailand.

在韶关进行"同一天空下"的支教活动　　　July 2018

- This activity took place in Shao guan, Guangdong. One of the least developed regions of China.
- Teach local elementary students the most basic knowledge about hydroponics.
- Deepen the understanding of people's lives in the less developed region.

语言

- 英文
- 中文(普通话, 粤语)

其他的技能证书

- **Scuba Diving "Open Water"** （开放水域水肺潜水）
  Issued by PSAI
  Date of Completion: 2017 Summer
  Being certified as a professional OW Scuba Diver.
- **Scuba Diving "Advanced Open Water"**（进阶开放水域水肺潜水）
  Issued by PSAI
  Date of Completion: 10/10/2017
  Being certified as a professional AOW Scuba Diver.

Result: "Qualified to conduct dives in Open Water in conditions similar to training with equality or greater qualified divers to a Maximum Depths of: 90fsw/27msw"

学校要求: (学校官方的信在最后)

1. 这必须是一个全职，带薪，单一雇主的合适长度的工作

2. 12-16个月的连续工作经历：工作长度必须在12-16个月之间。必须于2023年5月至9月开始，必须于2024年九月第1星期前结束。以便学生可以随即返回校园参加大四的学习。

3. 合同要求：

   a. 必须带有双方的签名

   b. 清楚写明开始与结束日期

   c. 清楚写明工资数额

   d. 英文（可以由合资历翻译公司进行翻译）

NAME:	**Tong, Tik Chun**	RECORD AS OF:	2023-01-14
		STUDENT NUMBER:	1006700919
ISSUED TO:	TIK CHUN TONG	OEN:	525093621
		BIRTH DAY/MONTH:	18/09

REGISTRATION HISTORY
2020 Fall - 2023 Winter : Faculty of Applied Science & Engineering

Faculty of Applied Science & Engineering

In Progress - 2020 Fall - PEY Co-op Program

2020 FALL - BASC IN ENGINEERING SCIENCE - DIVISION OF ENGINEERING SCIENCE
PEY Co-op Program
SESSIONAL GPA: 2.45   CUMULATIVE GPA: 2.45
SESSIONAL PERS: 69.2
STATUS: **PASS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
CIV102H1	STRUCT & MATERIALS	0.50	72	B-	B+
ESC101H1	PRAXIS I	0.50	68	C+	B
ESC103H1	ENG. MATHEMATICS & COMPUTATION	0.50	62	C-	B+
ESC180H1	INTRO TO COMPUTER PROGRAMMING	0.50	80	A-	B+
ESC194H1	CALCULUS I	0.50	66	C	B
PHY180H1	CLASSICAL MECHANICS	0.50	67	C+	B+

May proceed

2021 WINTER - BASC IN ENGINEERING SCIENCE - DIVISION OF ENGINEERING SCIENCE
PEY Co-op Program
SESSIONAL GPA: 2.65   ANNUAL GPA: 2.55   CUMULATIVE GPA: 2.55
SESSIONAL PERS: 70.5
STATUS: **PASS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
ECE159H1	FUNDAMENTALS OF ELEC. CIRCUITS	0.50	64	C	B
ESC102H1	PRAXIS II	0.50	74	B	B+
ESC190H1	COMP ALGOR. & DATA STRUCTURES	0.50	77	B+	B
ESC195H1	CALCULUS II	0.50	63	C	B
MAT185H1	LINEAR ALGEBRA	0.50	68	C+	B
MSE160H1	MOLECULES AND MATERIALS	0.50	77	B+	A-

May proceed

2021 FALL - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.
PEY Co-op Program
SESSIONAL GPA: 3.06   CUMULATIVE GPA: 2.70
SESSIONAL PERS: 76.2
STATUS: **PASS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
ECE201H1	SEM: ELEC & COMP ENGINEERING	0.15		CR	*
ECE212H1	CIRCUIT ANALYSIS	0.50	84	A-	B
ECE241H1	DIGITAL SYSTEMS	0.50	75	B	B-
ECE244H1	PROGRAMMING FUNDAMENTALS	0.50	86	A	B-
MAT290H1	ADVANCED ENG. MATHEMATICS	0.50	68	C+	B
MAT291H1	CALCULUS III	0.50	68	C+	B-

May proceed

2022 WINTER - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.
PEY Co-op Program

SESSIONAL GPA: **3.00**   ANNUAL GPA: **3.03**   CUMULATIVE GPA: **2.77**
SESSIONAL PERS: 74.0
STATUS: **PASS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
ECE216H1	SIGNALS AND SYSTEMS	0.50	62	C-	C+
ECE221H1	ELE.&MAGNET FIELDS 2	0.50	77	B+	B-
ECE231H1	INTRO. ELECTRONICS	0.50	77	B+	C+
ECE243H1	COMPUTER ORGANIZATION	0.50	81	A-	B-
ECE297H1	SOFTWARE COMMUNICATION&DESIGN	0.50	73	B	B+

May proceed

2022 FALL - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.
PEY Co-op Program
SESSIONAL GPA: **3.28**   CUMULATIVE GPA: **2.86**
SESSIONAL PERS: 78.0
STATUS: **PASS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
APS360H1	APP. FUND. OF DEEP LEARNING	0.50	73	B	B-
CIV220H1	URBAN ENGINEERING ECOLOGY	0.50	81	A-	B
ECE302H1	PROBABILITY & APPLICATIONS	0.50	90	A+	B-
ECE335H1	INTRO. TO ELECTRONIC DEVICES	0.50	61	C-	B-
ECE345H1	ALGORITHMS & DATA STRUCTURES	0.50	85	A	B+

May proceed

2023 WINTER - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.
PEY Co-op Program

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
CIV300H1	TERRESTRIAL ENERGY SYSTEMS	0.50		IPR	
ECE313H1	ENERGY SYS & DIST. GENERATION	0.50		IPR	
ECE344H1	OPERATING SYSTEMS	0.50		IPR	
ECE361H1	COMPUTER NETWORKS I	0.50		IPR	
ECE472H1	ENG.ECO.ANA.& ENTRE.	0.50		IPR	

Angelique Saweczko
University Registrar

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UNIVERSITY OF TORONTO
FACULTY OF APPLIED SCIENCE & ENGINEERING

September 6, 2022

To Whom It May Concern:

RE: Tik Chun Tong (1006700919)

The Office of the Registrar of the Faculty of Applied Science & Engineering certifies the following:

Tik Chun Tong has registered in the Faculty's Professional Experience Year Co - op program(PEY Co - op).

As a condition of graduation, students in the BASc degree program are required to obtain a minimum of 600 hours of practical experience through industry employment. Their participation in the PEY Co-op satisfies the Faculty's practical experience graduation requirement. Participation in PEY Co-op extends the four-year program by one year.

Best regards,

Don MacMillan
Faculty Registrar
DLI Number O19332746152