

# 國立臺灣大學生醫電子與資訊學研究所碩士班申請人推薦函

## 一、申請人基本資料：

姓 名	康凱傑					
手 機	0981-354-951		E-mail	b812109009@tmu.edu.tw		
就讀學校及科系	學校：臺北醫學大學		學系：生物醫學工程學系			
在校成績 (大學三年平均分數)	90.10					
班級名次/全班人數 及 系名次/全系人數			班排名：5/30		系排名：5/30	
推薦人	姓 名	劉華姍	服務單位	臺北醫學大學生 物醫學工程學系	職 稱	副教授
	E-mail	heathertmu@tmu.edu.tw			聯絡電話	+886-2-66202589 ext.15607

## 二、推薦人資料及意見：

### 1. 您與申請者之關係

- ☐ 專題研究指導教授
 ☐ 大學部課程教授
 ☒ 導師
 ☐ 單位主管  
☐ 其他，請說明\_\_\_\_\_

### 2. 您與申請者認識多久：三年

### 3. 您與申請者熟識之程度：☒ 極熟識 ☐ 熟識 ☐ 普通 ☐ 不甚熟識

## 三、請依您對申請者之了解，利用下表客觀評估這位考生。(請以打√方式表示)

		前 5% 以內 Highest 5%	5-10%	10-25%	25-50%	50% 以後 Lower 50%	無從評估 No Basis To Judge
(1)	學業成績(或工作表現) Academic (or Job) Performance	√					
(2)	獨立研究能力 Ability to Do Independent Research	√					
(3)	創造能力 Innovation Ability	√					
(4)	寫作能力 Writing Ability	√					
(5)	口頭表達能力 Communication	√					
(6)	自信與成熟度 Confidence and Maturity	√					
(7)	合群性 Cooperation	√					
(8)	建議/批評接受度 Acceptance of Other's Suggestion and/or Criticism	√					

## 四、綜合評語：

It is my pleasure to write this letter recommending Kai-Chieh Kang for admission to the graduate program. As being his mentor more than three years, I have known Kai-Chieh very well. Over that time, I was consistently impressed with his talent and performance in the academic studies. He has been very actively

involved in various subjects such as computer-programming, electronics, engineering mathematics, physics, and material science. When he took my courses in the medical imaging data analysis and computer programming-related field, he gave me a strong impression that he showed great passion for mathematics and implementing the machine learning algorithms in imaging post-processing and data analysis in his study projects. His grades were exceptionally good with his overall results ranked top one among the class.

Kai-Chieh is a very self-directed person who loves learning about advanced biomedical techniques, being productive in the new development of the scientific field. He participated in various conferences and gave some excellent presentations. In 2021, he joined the program of Inter-collegiate Problem Solving for Better Health, collaborating with students from the Taipei Medical University, Soochow University, and Tatung University to work on the pain point analysis and business model design. In his research project, he applied gelatin-coated nanoparticles to create eye drops and evaluate the potential for the treatment of dry eye disease. The study was conducted using an animal model to assess the effects of the eye drops on tear secretion, corneal damage, corneal thickness, and eyelid goblet cell number in mice. The results showed that this type of eye drop has the potential to treat dry eye disease. He applied a machine-learning algorithm to quantify the fluorescence of a mouse cornea that was stained with fluorescent dye using the computer-programming skills he gained from the class. His research work was selected as the Poster Presentation Award in the International Symposium of Materials in Regenerative Medicine and earned the oral competition award for research project of the Taipei Medical University in 2023.

Kai-Chieh is a person of character combining intelligence, creativity, perseverance, and kindness. I feel very confident that he will be extremely successful in all of his future endeavors and his character can certainly make him a valuable member of any academic program. It is therefore without reservations that I recommend him to you for any graduate program that he chooses to attend. I am sure he will be a valuable asset to your department. If you need any more information, please do not hesitate to contact me.

五、整體評估：☒ 極力推薦      ☐ 推薦      ☐ 勉予推薦      ☐ 不推薦

推薦人簽名：Lu, Hua-Shan

日期：112 年 10 月 08 日

服務單位：臺北醫學大學生物醫學工程學系

職稱：副教授

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