

# **Resume**

**Date** 14/03/2025

## **Dr. Nem Khan Dim**

### **Personal Profile**

**Gender:** Female  
**Email:** nemkdim@gmail.com  
**Website:** www.nemkdim.site

### **Education Background**

**Degree:** Doctor of Engineering (Human-Computer Interaction)

**Date of Conferment:** 18/03/2016

**University:** Kochi University of Technology

**Degree:** MSc. (Computer Science)

**Date of Conferment:** 10/03/2011

**University:** University of Yangon

**Degree:** BSc. (Computer Science)

**Date of Conferment:** 31/03/2008

**University:** Dagon University

### **Employment History**

#### **1. 07/2022 – Current**

**Employer –** Techno Valley

**Job Title –** Co-founder & Executive Director

#### **1. 01/2023 – Current**

**Employer:** National University of Zoland

**Department:** Department of Computer Science

**Job Title:** Professor

#### **2. 08/2022 – Current**

**Employer:** Myanmar Nway-Oo University  
**Department:** Department of Computer Studies  
**Job Title:** Assistant Professor

**3. 09/2017– 02/2021**

**Employer:** University of Yangon  
**Department:** Computer Studies  
**Job Title:** Lecturer

**4. 06/2017 – 12/2022**

**Employer:** Info Myanmar College  
**Department:** Software, Academic board  
**Job Title:** Part-time lecturer and academic board member

**5. 05/2017 - 12/2019**

**Employer:** International Grace Ministry – Myanmar (IGM Myanmar)  
**Department:** Education Department  
**Job Title:** English Teacher

**6. 06/2016 - 03/2017**

**Employer:** The University of Tokyo, Tokyo, Japan  
**Department:** Research Centre for Advanced Science and Technology (RCAST)  
**Job Title:** Post-Doctoral Fellow, Project Researcher

**7. 04/2013 - 03/2016**

**Employer:** Kochi University of Technology, Kochi, Japan  
**Department:** The Centre for Human-Engaged Computing  
**Job Title:** Research Assistant & PhD Candidate

**8. 09/2011 - 02/2013**

**Employer:** Information Matrix Co. Ltd, Yangon, Myanmar  
**Department:** Software Development  
**Job Title:** Business Analyst

**Honours/Awards**

1. BSc. (Hons.), 2009
2. Passed ITPEC (FE) exam in Oct 2010.

3. Achieved SSP (Special Scholarship Program) full scholarship for Ph.D., program from Kochi University of Technology.
4. Achieved Best Community Paper Award at 3<sup>rd</sup> IEEE International Conference on Smart Computing

## **Activities**

### **1. Student volunteer at conference**

WISS 2013 Conference, Kochi, Japan.

### **2. Student volunteer chair at international symposium (<http://idhf.xrenlab.com/>)**

International Symposium on Interaction Design and Human Factors (IDHF 14), 2014. Kochi, Japan.

### **3. Program committee member at international symposium (<http://itap2016.xrenlab.com/>)**

International Symposium on Interaction Design for Aging Population (IxAP 16), 2016. Kochi, Japan.

### **4. Mentoring undergraduate and master students research at Human-Engagement Computing lab**

- Taiga Machida (Master)
- Takuma Sakaue (Bachelor)
- Koutarou Matsuoka (Bachelor)
- Obata Masaki (Bachelor)
- Ai Ishikawa (Bachelor)

### **5. Designing and teaching courses**

- Organizing weekly lab seminars and giving lectures (for Master and Undergraduate students)
- Designing project-based courses for HCI Master class (2013 - 2014 academic year).
- Designing courses for HCI Undergraduate class (2013 – 2014 academic year).
- Designing project-based courses for HCI Master class (2015 - 2016 academic year).
- Designing courses for HCI Undergraduate class (2015 – 2016 academic year).
- Teaching courses in HCI Undergraduate class (2015 – 2016 academic year).

### **6. Supervising master PhD students research at the University of Yangon**

- Thiri Soe Man (Master)
- Yamone Naing (Master)
- Ei Ei Hlaing (Master)
- Shune Lae Aung (PhD)
- Kyi Thar San (PhD)

### **7. Supervising master students research at the National University of Zoland**

- Kyi
- Jasmine L.

## **References**

(1) Xiangshi Ren (PhD advisor), Director, The Center for Human-Engaged Computing, Kochi University of Technology, Kochi, Japan. Email: renxiangshi@gmail.com.

(2) New New Win, Vice President, Myanmar Computer Federation (MCF), Email: nwe2win.csyu@gmail.com

### **Language Skills**

**1. Language** - Myanmarese

**Proficiency** – Native level

**2. Language** - English

**Proficiency** - Business level

**3. Language** - Japanese

**Proficiency** - Basic Level

### **Publications/References**

#### International Journals

- ST Aung, N Funabiki, YW Syaifudin, HHS Kyaw, SL Aung, NK Dim, A proposal of grammar-concept understanding problem in Java programming learning assistant system, J. Adv. Inform. Tech.(JAIT) 12 (4).
- Dim, NK., Ren, X., Designing Motion Gesture Interfaces in Mobile Phones for Blind People, Journal of Computer Science & Technology (JCST) 29 (5), pp. 812-824, Springer, September, 2014.
- Dim, NK., Ren, X., Investigation of Suitable Body Sites for Wearable Vibration Feedback in Walking Navigation Systems, International Journal of Human Computer Studies (IJHCS), In Press, Elsevier, August, 2016.
- Dim, NK., Ren, X., Designing Motion Marking Menus in Mobile Phones for People with Visual Impairments, International Journal of Human Computer Studies (IJHCS), Submitted in August, 2016.

#### International Conferences

- HHS Kyaw, N Funabiki, T Myint, PP Tar, NW Min, HA Thant, SL Aung, Applications of Element Fill-in-blank Problems for C Programming Learning in Three Universities.
- L Xiqin, N Funabiki, HHS Kyaw, SL Aung, NK Dim, A Study of Value Trace Problems for Code Reading Study of C Programming, 2020 Eighth International Symposium on Computing and Networking Workshops.
- M Iwabuchi, R. Hirabayashi, K. Nakamura, Dim NK: Machine Learning Based Evaluation of Reading and Writing Difficulties. AAATE Conf. 2017: 1001-1004.

- Nem Khan Dim, Kibum Kim, Xiangshi Ren: An Exploratory Study of Marking Menu Selection by Visually Impaired Participants. SMARTCOMP 2017: 1-7. (Best Paper).
- Machida, T., Dim, N.K., Ren, X., Suitable Body Parts for Wearable Vibration Feedback in Walking Navigation Systems, Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI Workshop '15), Seoul, Korea, April, 2014. New York: ACM Press, pp. 2433-2436 (*Acceptance rate: 39%*).
- Dim, N.K., Silpasuwanchai, S., Sarcas, S., Ren, X., Designing Mid-Air TV Gestures for Blind People Using User- and Choice-Based Elicitation Approaches, Proceedings of Designing Interactive Systems (DIS), Brisbane, Australia, New York: ACM Press, June, 2016, pp. 204-214 (*Acceptance rate: 26%*).

#### Posters

- Machida, T., Dim, N.K., Kim, K., and Ren, X. Multimodal Feedback for Kinect, Microsoft Research, Japan CORE Project Workshop, May 2013, Beijing, China.
- Dim, N.K., and Ren, X. User-defined Motion Gestures of Blind People for Mobile Interactions, 22nd Workshop on Interactive Systems and Software (WISS 2014), December 2013, Kochi, Japan.