

PUNRONG RANY

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EDUCATION

UNIVERSITY OF CALGARY	CANADA
Master of Science, Electrical and Computer Engineering (Thesis-based)	Aug 2028
Machine Intelligence and Reasoning Lab International Graduate Student Tuition Award	
Coursework: Data Mining & Machine Learning Learning Representations in Deep Neural Network	
TEMPLE UNIVERSITY	USA
Master of Science, Innovation Management & Entrepreneurship	Dec 2023
Fulbright Scholar Dean's Certificate of Excellence Fox School of Business Scholarship Award	
Coursework: Artificial Intelligence Scripting for Science & Business Information Technology Management, Management of Technology & Innovation Business Model Innovation Creativity Unleashed	
ROYAL UNIVERSITY OF PHNOM PENH	CAMBODIA
Bachelor of Arts, International Studies	Oct 2021
Bachelor of Science, Computer Science	Oct 2020
NANYANG TECHNOLOGICAL UNIVERSITY	SINGAPORE
Fall Semester Exchange at College of Computing and Data Science	Dec 2018

RESEARCH EXPERIENCE

UNIVERSITY OF CALGARY, CANADA	Sep 2026 – Present
Graduate Research Assistant	
▪ Research on applied machine learning in energy systems for optimization, planning, and policymaking.	
TEMPLE UNIVERSITY, USA	Jan – Apr 2024
Graduate Researcher	
▪ Built a Natural Language Processing model to assess career trajectories for around 150 graduates annually.	
▪ Generated insights of 20+ job types and 10+ industries for the admission and career counseling strategies.	
SYRACUSE UNIVERSITY, USA	Jul – Aug 2022
Pre-Academic Fulbright Researcher	
▪ Conducted research on Cambodia's Post Pandemic Markets for EdTech digital transformation trends.	
GWANGJU INSTITUTE OF SCIENCE AND TECHNOLOGY, SOUTH KOREA	Jun – Aug 2019
Machine Learning Researcher	
▪ Conducted & presented research on Vehicle Detection with Single Shot MultiBox Detector and custom inputs.	

PROFESSIONAL EXPERIENCE

CANADIA BANK PLC, CAMBODIA	Aug 2024 – Aug 2026
Project Manager	
▪ Led over 5 large-scale initiatives including AI & Cloud, mobile banking, and core banking projects.	
▪ Ensured high-quality product releases with less than 5 critical incidents daily for over 2 million banking users.	
THE MENTOR (SERS CHBORNG), CAMBODIA	Mar 2019 – Jan 2024
Co-Founder & CTO	
▪ Established the higher education and scholarship mentorship consultant for high school & university students.	
▪ Secured 4,000 USD investment from Smart Axiata to build mobile app, website, and business strategy.	
▪ Provided supports to around 1,000 students in Cambodia through one-on-one mentorships and webinars.	
PHOENIX LANGUAGE SERVICES INC, USA	Sep – Dec 2023
Business Process Analyst	
▪ Oversaw User Acceptance Test with over 20 test cases for the Interpreter Management System 3.0 upgrade.	
▪ Conducted market research & competitive analysis and produced 3 promotional business strategy videos	
PHILLIP BANK PLC (A subsidiary of PhillipCapital), CAMBODIA	Oct 2021 – Jul 2022
Web Developer	
▪ Built the bank's website for over 1 million customers and developed 50+ features for the insurance system.	
▪ Released code with minimal errors and addressed critical and high issues within 4 hours after being identified.	

Junior Application Developer

- Upgraded Fixed Wired Broadband System with 30+ features to improve telecom services for 5+ million users.
- Developed 20+ APIs for SmartNas App, the telecom mobile service management app.

AWARDS AND HONORS

- 2026
- International Graduate Student Tuition Award, University of Calgary, Canada
- Awarded a tuition scholarship to pursue a Master of Science in Electrical and Computer Engineering
- 2026
- Employee Excellence Award, Canadia Bank Plc, Cambodia
- Recognized for outstanding contributions to the bank's digital transformation and technology initiatives
- 2023
- Dean’s Certificate of Excellence, Temple University, USA
- Awarded for highest achievement in the major
- 2022
- Fulbright Scholarship, USA
- One of the 8 Cambodian Fulbright Scholars out of 300 applicants
- 2022
- Honorable Mention, The 25th Annual Innovative Idea Competition, Temple University, USA
- One of the top 5 finalists out of 50 applicants
- 2021
- Honda Young Engineer and Scientist Award, Honda Foundation, Japan
- A gold medal recipient among 120 Cambodian applicants for contribution and dedication to STEM
- 2021
- Youth Innovation Competition on Lancang-Mekong Region’s Governance & Dev., Thailand
- The Best Multination Team out of 20 finalists from 6 different countries
- 2021
- On Spot Award, Smart Axiata, Cambodia
- Awarded for outstanding contribution to the CBS 5.7 system upgrade
- 2019
- SmartStart Young Innovator Program Cycle 3, Cambodia
- One of the 5 champions out of 110 applicants
- 2019
- Research Fellowship, Gwangju Institute of Science and Technology (GIST), South Korea
- Fellowship to support my research at GIST in the summer of 2019
- 2018
- Temasek International Leadership Enrichment & Regional Networking Program, Singapore
- Scholarship to support my one-semester study at Nanyang Technological University
- 2018
- Honorable Mention, The 5th Robocon Competition, Cambodia
- One of the top 5 out of 20 teams from 4 universities in Cambodia
- 2017
- STEM Research Paper Competition, STEM Festival, Cambodia
- The 1st Runner-Up for my undergraduate research in STEM
- 2016
- Undergraduate Full-Ride Cambodian Government Scholarship, Cambodia
- Scholarship to support my 4-year undergraduate study at Royal University of Phnom Penh
- 2016
- Honorable Mention & Awarded, Mathematical Olympiads, Cambodia & Asia-Pacific
- 1st Place in the Preah Sisowath High School Mathematical Olympiad
- 2nd Place in the Phnom Penh Mathematical Olympiad
- 16th Place in the National Mathematical Olympiad
- 1st runner-up among Cambodian students in the Asia-Pacific Mathematical Olympiad
- 2015
- Suken Mathematics Test, Japan
- 1st Place in the 2nd Kyu Level
- 2014
- Suken Mathematics Test, Japan
- 1st Place in the Pre-2nd Kyu Levels

PROFESSIONAL AFFILIATIONS

2024 – Present: Fulbright and Undergraduate State Alumni Association of Cambodia (FUSAAC), Cambodia

ADDITIONAL

Skills: Python, php, C, C++, JavaScript, Java, SQL, Pytorch, Web Development, Mobile Development, Microsoft
Languages: English (Fluent), Khmer (Native)