Sunhay Try

suntry2020@u.northwestern.edu — (331)308-3850

EDUCATION

Northwestern University, Evanston, IL
Robert R. McCormick School of Engineering and Applied Science
Bachelor of Science in Mechanical Engineering   Jun 2020 (anticipated)
Master of Science in Mechanical Engineering   Jun 2021 (anticipated)
GPA: 3.74/4.00

United World College of Southeast Asia, Singapore   2011-2016

WORK EXPERIENCE

Taiwan Imaging Tek Corp., *Hsinchu, Taiwan*   Jul 2019-Sep 2019
Image Processing Engineering Intern
- Created codes in C++ interpolating pixels to scale .bmp images
- Created codes de-noising and sharpening images for high resolution
- Analysed methods used in MEMC (Motion Estimation and Motion Compensation)

Rifast Systems LLC, *Lincolnwood IL*   April 2019-Jun 2019
Quality Control Engineering Intern
- Inspected and tested materials, processes and equipment to ensure quality specifications are met
- Investigated product issues and failures
- Created products CAD modelling and customer printing

Tutor, *Northwestern University, Evanston IL*   Sep 2018-March 2019
- Taught Single-Variable Calculus III, Engineer Analysis courses, MATLAB, Kinematics and Newtonian Dynamics
- Created assignments and provided learning strategies

First-Class Solutions Ltd., *Phnom Penh, Cambodia*   Jul 2016-Sep 2016
Translator/Interpretor
- Translated and interpreted English/Khmer(Cambodian) documents
- Edited English/Khmer(Cambodian) magazine draft

ACTIVITIES

Robotic Club, *Northwestern University, Evanston, IL*   Winter 2018-Present
- Built electrical circuits to wirelessly control drive motors and radio receiver for operating the robot
- Programmed micro-controller to generate PID control
- CAD modelled and manufactured robot frame and weapons

Residential Hall Association, *Northwestern University, Evanston, IL*   Sep 2017-Jun 2018
President of the board
- Chair the weekly meeting to address issues and concerns of the community
- Organise and plan events for the residents
- Finalise all decisions within the board including budget management

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Relevant Coursework & Projects

Advanced Mechatronics, *Northwestern University, Evanston, IL*   Jan 2019-Present
- Built a servomotor using PID control to follow a trajectory specified in Matlab
- Made a touchscreen LCD using I2C and SPI to reduce the number of switches
- Built an autonomous robot with a 3D-printed frame and camera sensor to follow a track

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SKILLS

Computer
- Competent in MATLAB, Python, Mathematica, C/C++, NX & SolidWorks(Solid and Surface Modelling)

Languages
- Proficient in Khmer(Cambodian), English and intermediate Mandarin

Construction
- Proficient in carpentry and metal working, 3D printing and laser cutting