NHAN H. PHAM

nhanph@live.unc.edu

| EDUCATION | 2017-present | PhD in Operations Research University of North Carolina at Chapel Hill (UNC) · Chapel Hill, NC |
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| EXPERIENCES | 2015-2017 | Graduate Study in Computer Engineering University of Nevada, Reno (UNR) · Reno, NV |
| | 2008-2013 | Bachelor of Engineering, Computer Engineering – Honor Program Bach Khoa University – Vietnam National University (BKU) · Ho Chi Minh City, Vietnam |
| | 2018-present | Graduate Teaching Assistant • STOR 113: Decision Models for Business and Econ. (Prof. Gabor Pataki) · Spring 2018 Department of Statistics and Operations Research University of North Carolina at Chapel Hill · Chapel Hill, NC |
| | 2017-2018 | Graduate Teaching Assistant STOR 113: Decision Models for Business and Economics (Prof. Nilay Argon) · Fall 2017 Department of Statistics and Operations Research University of North Carolina at Chapel Hill · Chapel Hill, NC |
| | 2015-2017 | Graduate Teaching Assistant CPE 301: Embedded Systems Design (Prof. Dwight Egbert) · Fall 2016, Spring 2017 CS 302: Data Structures (Prof. Michael Leverington) · Fall 2015, Spring 2016 Department of Computer Science & Engineering University of Nevada, Reno · Reno, NV |
| PUBLICATIONS | 2013-2015 | Lab Assistant · Renesas SuperH Lab Department of Computer Science & Engineering Bach Khoa University – Vietnam National University · Ho Chi Minh City, Vietnam |
| | 2012 | Embedded Software Engineering Intern Applied Micro Circuits Corporation · Ho Chi Minh City, Vietnam |
| | 2016 | N. H. Pham and H. M. La. Design and Implementation of an Autonomous Robot for Steel Bridge Inspection. In Proceedings of the 54th Annual Allerton Conference on Communication, Control, and Computing , pages 1-8, Sept. 27-30, 2016, Urbana-Champaign, Illinois, USA. |
| | I | N. H. Pham, H. M. La, Q. P. Ha, S. N. Dang, A. H. Vo and Q. H. Dinh, "Visual and 3D Mapping for Steel Bridge Inspection Using a Climbing Robot," The 33rd International Symposium on Automation and Robotics in Construction and Mining (ISARC) , pages 1-8, July 18-21, 2016, Auburn, Alabama, USA. |
| | 2013 | The-Duy Phan Dinh, Nhan H. Pham , Khoi-Nguyen Le-Huu and Anh-Vu Dinh Duc, "Quadrotor Helicopter: A Practical Design Approach," IEICE International Conference on Integrated Circuits, Design and Verification , pp.156-163, 2013, Ho Chi Minh, Vietnam. |
| SEARCH PROJECTS | 2015-2017 | Building a Steel Climbing Robot for Steel Bridges Inspection |

Sanchez, UNR.

RESEARCH PROJECTS

Joint worked with Dr. Hung La, UNR, Luan V. Nguyen, UNR, Tuan-Dung Le, UNR and Jesus

2012

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| | 2015 | NSF Innovation Corps (I-CorpsTM) Program Joint worked with Dr. Hung La (Principle Investigator – PI), UNR, Mr. Edward Little (Industrial Mentor – IM), FiberMatrix Inc. |
| | 2013-2015 | Building a Quadrotor helicopter with Fully Automatic Controlled Joint worked with Dr. Vu A. D. Dinh, University of Information Technology – VNU HCM (UIT – VNU HCM) and Duy T. D. Phan, BKU. |
| | 2013 | Building a Service Calling System Joint worked with Duy T. D. Phan, BKU, and Bach X. D. Nguyen, BKU. |
| SKILLS & QUALIFICATIONS | | Programming Languages C/C++, Python, Matlab, AMPL, R |
| ' | | Robotics Robot Operating System (ROS), OpenCV, PointCloud |
| | | Skills Comfortable programming in Linux environment Robotics: hardware development, sensor integration (mono/stereo camera, IR, Sonar, Laser), SLAM, 3D Mapping PCB design, soldering, circuit analysis and debugging Machine shop skills: milling, drilling |
| HONORS & AWARDS | 2016-2017 | Graduate Access Grant · Regents' Higher Education Opportunity Award University of Nevada, Reno · Reno, NV |
| | | International Graduate Student Award · Regents' Higher Education Opportunity Award University of Nevada, Reno · Reno, NV |
| | 2016 | Poster Exhibition – First Place Winner CSE Graduate Club – Department of Computer Science & Engineering University of Nevada, Reno · Reno, NV |
| | 2008-2013 | Outstanding Academic Student Scholarship Department of Computer Science & Engineering Bach Khoa University – Vietnam National University · Ho Chi Minh City, Vietnam |
| | 2012 | Sunflower Mission Electronic & Telecom Scholarship eSilicon Vietnam · Ho Chi Minh City, Vietnam |
| OTHER EXPERIENCES | 2017 | 2017 Nevada State Science Olympiad Judge University of Nevada, Reno · Reno, NV |
| | 2014 | Organizing Assistant BKIT Car Rally · Ho Chi Minh City, Vietnam |
| | 2013 | Robot Control Software Developer BK4 and BKIT Number One Team · Vietnam National Robot Contest |

Embedded Software Developer

ChipFC Team · Texas Instruments National MCU Design Contest · 1st Place