# An T. Le

## Personal Data


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| Place and Date of Birth: | Ho Chi Minh City, Vietnam \| November 11th 1997 |
| Address: | A22/32 Route 50, Binh Hung, Binh Chanh, Ho Chi Minh City, Vietnam |
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## Education

**Vietnamese-German University** (Taught in English) **Binh Duong City, Vietnam**
Bachelor of Electrical Engineering and Information Technologies **Sep 2015 to present**

- GPA: 1.3 (German grade), 9.1/10 (Vietnamese grade) [link].
- Class Rank: 3/47
- Honor: Excellency Scholarship 2015, 2016 and 2017
- Working Language: English: IELTS 6.5/9.0 (Certified in August, 2015)
- Letter of References: Available upon request.
- Programming Skills: Advanced Python, Advanced C++, UNIX, MATLAB. Highly Experienced in ROS, OpenCV, PCL, OpenGL, Boost, scikit-learn, numpy, pandas.

**Le Hong Phong High School for the gifted** **Ho chi Minh city, Vietnam**
Major in Physics **May 2012 to May 2015**
GPA: 9.2/10

## Working Experiences

**EyeQ Ltd.** Ho Chi Minh City, Vietnam
Robotics Engineer Intern, Full-time **March 2018 to August 2018**

- Collaborating with dev team to develop practical technical solution for customers, using state-of-the-art Deep Learning models.
- Developing autonomous navigation model for mobile robot that can apply in many industrial applications.

**Google Summer of Code 2018** Institute of Artificial Intelligence, University of Bremen
Current Participant **May 2018 to August 2018**

- Implement paralleled pipelines handler API and enhance the processing effectiveness of RoboSherlock.

Project: [link]. Documentation: [link]. Certification: [link].

**Google Summer of Code 2017** Institute of Artificial Intelligence, University of Bremen
Successful Participant **June 2017 to August 2017**

- Implement state-of-the-art Symmetry-based Object Segmentation in knowledge intensive scenarios algorithm on RoboSherlock perception framework, therefore enables it to do more complex tasks.

Project: [link]. Demo: [link] Documentation: [link]. Certification: [link].

**Intel Corporation** Ho Chi Minh City, Vietnam
Product Development Engineer Intern **Jan 2017 to May 2017**

- Design and develop automated data systems to process and analyze high volume unit test data in Intel Assembly & Test Manufacturing.
- Weekly validate and report the quality of Intel Thunderbolt Product.

Letter of Evaluation can be viewed in this link.

## Research Experiences

### Conference Papers

1. **An T. Le**, *M. Q. Bui, T. D. Le and N. Peter,* "D* Lite with Reset: Improved Version of D* Lite for Complex Environment," 2017 First IEEE International Conference on Robotic Computing (IRC), Taichung, 2017, pp. 160-163. doi: 10.1109/IRC.2017.52

2. *T. D. Le,* **An T. Le** *and D. T. Nguyen,* "Model-based Q-learning for humanoid robots," 2017 18th International Conference on Advanced Robotics (ICAR), Hong Kong, China, 2017, pp. 608-613. doi: 10.1109/ICAR.2017.8023674

3. *Q. H. Nguyen, T. N. P. Tran, D. D. Huynh,* **An T. Le** *and T. D. Le,* "Real-Time Localization and Tracking System with Multiple-Angle Views for Human Robot Interaction," 2017 First IEEE International Conference on Robotic Computing (IRC), Taichung, 2017, pp. 316-319. doi: 10.1109/IRC.2017.53

### Book Chapters

1. *Khiem N. Doan,* **An T. Le**, *Than. D. Le & Pether Nauth. (2015). "Swarm Robots' communication and cooperation in motion planning". In Dan Zang & Bin Wei(Eds.), Lecture Notes in Mechanical Engineering (Part I, Chapter 15) Mechatronics and Robotics Engineering for Advanced and Intelligent Manufacturing (pp 191-205), Springer International Publishing. DOI 10.1007/978-3-319-33581-0_15.*

2. An T. Le and Than D. Le (September 26th 2018). Search-Based Planning and Replanning in Robotics and Autonomous Systems, Advanced Path Planning for Mobile Entities, Rastislav Róka, IntechOpen, DOI: 10.5772/intechopen.71663. Available here.

### Conferences and Workshops

1. **Presented An T. Le**, *M. Q. Bui, T. D. Le and N. Peter,* "D* Lite with Reset: Improved Version of D* Lite for Complex Environment," First IEEE International Conference on Robotic Computing (IRC), Taichung, 2017.
2. **Presented** *Q. H. Nguyen, T. N. P. Tran, D. D. Huynh,* **An T. Le** *and T. D. Le,* "Real-Time Localization and Tracking System with Multiple-Angle Views for Human Robot Interaction," First IEEE International Conference on Robotic Computing (IRC), Taichung, 2017.
3. **Presented An T. Le**, "Search-based path planning and re-planning for robotics" The first International Workshop on Automation and Robotics, Vietnamese-German University, Vietnam, 2017.

## Scholarships, Certificates and Competitions (proof available upon request)

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| UNESCO Hackathon Vietnam 2018 Winner. Link to the project: [link] | October 2018 |
| Best of The Bests Award, AmCham Scholarship 2017 | December 2017 |
| eSilicon Sunflower Mission Engineering and Technology Scholarship 2017 | December 2017 |
| Finalist of The 11th Armenian International Microelectronic Olympiad | October 2016 |
| Third Prize National Round of The 11th Armenian International Microelectronic Olympiad | June 2016 |
| Fourth Prize National Youth Programming (Embedded Programming) | Aug 2015 |
| Third Prize Quick-Solving Mathematics Problems by Casio calculator | March 2015 |
| Third Prize National Physics Olympiad | Jan 2015 |
| Second Prize Vietnam Intel Science and Engineering Fair | Nov 2014 |
| Gold Medal Olympiad 30/4 in Theoretical Physics<br>Odon Wallet Scholarship 2014 http://rvn-vallet.org/ | 2013 and 2014 |