

LAM GIA THUAN

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EXPERIENCE

Research Assistant – Frankfurt University of Applied Sciences

📅 [May 2020 – now] ∪ [November 2016 – March 2018]

📍 Frankfurt, Germany

- Prepared programming exercises, solutions, and lectures for students.
- Researched and wrote academic papers on various topics:
 - Considerations on 2D-Bin Packing Problem: Is the Order of Placement a Relevant Factor? (SIMULTECH 2017)
 - Addressing the Usability of Genetic Algorithms for the 2D Bin Packing Problem: A General Model Considering Common Pitfalls (ICSTCC 2017)
 - Novel Nature-Inspired Selection Strategies for Digital Image Evolution of Artwork (ICCCI 2018)
 - A Hybrid Approach for the Fighting Game AI Challenge: Balancing Case Analysis and Monte Carlo Tree Search for the Ultimate Performance in Unknown Environment (EANN 2019)
 - A Comparative Study on Bayesian Optimization (to be published in EANN 2020)

Student Java Developer – 360 Treasury Systems AG

📅 March 2018 – March 2020

📍 Frankfurt, Germany

- Tested new proofs of concept, optimized code generators and created anything my leaders can imagine.
- Pursued time-intensive bugs such as the Nar-Maven-Plugin parallel build with multiple libraries problem.
- Developed various tools in Java (mostly), Python and JavaScript to support current & future development.
- Implemented a Kotlin infrastructure for CQRS integration testing to replace the existing 18,000-line XML tests.

Java Developer Intern – 360 Treasury Systems AG

📅 March 2019 – June 2019

📍 Frankfurt, Germany

- Fixed and improved 70 - 100 front-end and back-end issues in JavaFX and Java over 14 weeks.
- Migrated legacy components to CQRS and 1-way data flow architectures in Java 8 and JavaFX.

ACHIEVEMENTS IN GERMANY

ACM Programming Contests

- **German Collegiate Programming Contest** - Rank 28 (2017), 23 (2018, winner at the University of Mainz) and 17 (2019).
- **FAU Winter Contest** - Rank 7 in 2017 (runner-up at the Technical University of Munich).
- **Frankfurt UAS Programming Day** - Winner between 2016-2018.

Selected Other Competitions

- **Catalysts Coding Contest, Frankfurt** - Rank 3 in Summer 2017, Summer 2018, winner in Winter 2018, Winter 2019.
- **GECCO Challenge 2019 - Online Anomaly Detection for Drinking Water Quality** - Rank 2.
- **CIG 2018 Competition - The Fighting Game AI Competition** - Rank 2.

EDUCATION

Bachelor of Computer Science – Frankfurt University of Applied Sciences

📅 Winter 2015 – February, 2020

📍 Frankfurt, Germany

GPA. 1.11 / 1.00 | **Thesis.** KotlinML, Kotlin for Machine Learning (<https://github.com/duckladydinh/KotlinML>).

SKILLS

Problem Solving (always practice). **Java** (working experience). **C++, Python, and Kotlin** (personal).