

# LAM GIA THUAN

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## EXPERIENCE

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### Student Java Developer – 360 Treasury Systems AG

📅 March 2018 – now

📍 Frankfurt, Germany

- Implemented a Kotlin infrastructure for CQRS integration testing (personally best project).
- Implemented various tools in Java and Python to support current & future development.
- Implemented a new exception-throwing mechanism to prepare for the use of Epsilon Garbage Collector.
- Implemented a lazy IO mechanism for ByteBuffer as a possible improvement to the current eager approach.

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### Internship – 360 Treasury Systems AG

📅 March 2019 – June 2019

📍 Frankfurt, Germany

- Fixed and improved front-end components in JavaFX in almost 'real-time'.
- Migrated legacy components to CQRS architecture and JavaFX.

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### Student Research Assistant – Frankfurt University of Applied Sciences

📅 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)

## ACHIEVEMENTS IN GERMANY

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### ACM Programming Contest

- **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 ever since 2016.

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### 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

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### Bachelor of Computer Science – Frankfurt University of Applied Sciences

📅 Winter 2015 – March 31, 2020

📍 Frankfurt, Germany

**Activities.** Study, work, tutor, research and compete. **GPA.** 1.11 / 1.0.

## SKILLS

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