

# LAM GIA THUAN

duckladydinh@gmail.com

## EXPERIENCE

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### 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 about optimization and AI.  
Published by SIMULTECH 2017, ICSTCC 2017, ICCCI 2018, EANN 2019 and EANN 2020 (soon).

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### Student Java Developer – 360 Treasury Systems AG

📅 March 2018 – March 2020

📍 Frankfurt, Germany

- Tested new proofs of concept, generated code and created anything my bosses could 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.

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### 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.

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### Free-time Projects – GitHub

- **Universal Facts** - a personal website built with Flutter featuring quotes and life events: [duckladydinh.github.io](https://duckladydinh.github.io)
- **Germus** - a Bash script to make German typing on US keyboard easier: [github.com/duckladydinh/germus](https://github.com/duckladydinh/germus)
- **PDF Remover** - a Python script to remove annoying text from PDF: [github.com/duckladydinh/pdfremover](https://github.com/duckladydinh/pdfremover)

## ACHIEVEMENTS IN GERMANY

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### 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.

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### 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

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

📅 Winter 2015 – February, 2020

📍 Frankfurt, Germany

**GPA.** 1.1 / 1.0 | **Thesis.** KotlinML, Kotlin for Machine Learning, available at: [github.com/duckladydinh/KotlinML](https://github.com/duckladydinh/KotlinML)