

# Long P. Do

SOFTWARE DEVELOPER · STUDENT

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## Education

### Friedrich-Alexanader Universitaet Erlangen-Nuernberg

Erlangen, Deutschland

MASTER OF SCIENCE IN COMPUTER SCIENCE (CURRENTLY: 1.8 WITH 90/120 ECTS)

Apr. 2018 - present

- Specialisation on Software Engineering, IT Security and Pattern Recognition
- Minor subject in Business Administration

### Friedrich-Alexanader Universitaet Erlangen-Nuernberg

Erlangen, Deutschland

BACHELOR OF ARTS IN COMPUTER SCIENCE AND SOCIOLOGY (2.55)

Apr. 2015 - Mar. 2018

- Bachelor Thesis: Development of Profiles for a Shaking Treadmill and their Influence on the Difficulty to Maintain Balance

## Experience

### adorsys

Nuernberg, Deutschland

WORKING STUDENT AS A FRONTEND DEVELOPER

Mar. 2019 - present

- Ensured future maintainability of Frontend projects by upgrading the framework from AngularJS 1.5 to Angular 7
- Added more value and functionality to the project by implementing user stories
- Improved quality of code base by writing unit and end-to-end tests
- Improved readability of project repository by analyzing and cleaning up unused endpoints

## Skills

**Programming Languages** JavaScript/Typescript, HTML5, SASS, Python, Dart, Java

**Frameworks** Angular, Flutter, React.js, React Native

**DevTools & DevOps** Git, Maven, Jenkins, Travis CI

**Project Management** SCRUM, Kanban

**Languages** German, English (C1), French (B1+)

## Projects

### Innolab Project at FAU Erlangen-Nuernberg with Tessloff Verlag

Erlangen, Deutschland

FULLSTACK DEVELOPER (TEAMSIZ: 7)

Apr. 2019 - Sep. 2019

- Was tasked to built a desktop GUI App, to support teachers creating customized teaching material and to monitor learning progress via automatic evaluation enriching the usage of Tessloff's audio pen in school life
- Set up project structure & GitFlow and was mainly responsible for code reviewing & approving merge request
- Designed and created mockups for the desktop GUI
- Developed GUI App in JavaScript, HTML5 and CSS using Eel library to access the Backend written in Python

### AMOS Project at FAU Erlangen-Nuernberg with IAV Engineering GmbH

Erlangen, Deutschland

FRONTEND DEVELOPER (TEAMSIZ: 8)

Mar. 2018 - Jul. 2018

- Was tasked to built a cross-platform App (iOS, Android, PWA), to support test drivers of IAV in the field by coordinating tasks efficiently
- Built fully automated CI/CD pipelines through Travis CI and Heroku
- Contributed to the development of the iOS and Web App in JavaScript with React Native framework including User Management functionality, Information feedback through Popups and Chat functionality with media file attachment support

### Bachelor Thesis at FAU Erlangen-Nuernberg

Erlangen, Deutschland

AUTHOR AND SOFTWARE DEVELOPER

Apr. 2014 - Dez. 2014

- Was tasked to improve the control of the working prototype of a shaking treadmill realized with an ATmega Controller
- Implemented Interrupt Service Routine and Decoder for treadmill commands in C with Atmel Studio
- Wrote sketches for the Arduino board forwarding information from the PC to the shaking treadmill in Wiring
- Built a GUI for client to control the shaking treadmill from the PC in Java
- Defined different shaking profiles in XML documents

## Android Apps fuer Sensornetzwerke at FAU Erlangen-Nuernberg

Erlangen, Deutschland

SOFTWARE DEVELOPER

Mar. 2013 - Jul. 2013

- Was tasked to write an Android App for sport or health related subjects using Shimmer sensors for data input
- Wrote Android App in Java to detect and differ between passes made by football players
- Implemented algorithm where pre-measured calibrated data was used for categorization against the live Bluetooth feed from the Shimmer sensors attached to the players feet
- Enabled Android App to run in realtime processing the data without further delay

## Extracurricular Activity

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### Digital Tech Summit Hackathon

Nuernberg, Erlangen

HACKER (TEAMSIZ: 8)

Oct. 2019

- Participated for the Novartis & Müller Medien Health Challenge - got 2nd place
- Added audio and haptic feedback to existing face emotion detection keras model
- Built prototype with Raspberry Pi, IC board and motors

## Publications

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### Analyse verbreiteter Anwendungen zum Lesen von elektronischen Büchern

Zinaida Benenson, Frederik Berger, Anatoliy Cherepantsev, Sergey Datsevich, Long Do, Moritz Eckert, Tassilo Elsberger, Felix Freiling, Marius Frinken, Hendrik Glameyer, Steffen Hafner, Svenja Hagenhoff, Andreas Hammer, Stefan Hammerl, Florian Hantke, Felix Heindorf, Marcel Henninger, Daniel Höfer, Phillip Kuhrt, Maximilian Lattka, Tobias Leis, Christian Leubner, Katharina Leyrer, Christian Lindenmeier, Katharina Del Medico, Denise Moussa, Michael Nissen, Alina Öz, Jenny Ottmann, Katharina Reif, Nora Ripley, Armin Roth, Joschua Schilling, Robert Schleicher, David Schulz, Milan Stephan, Christoph Volkert, Max Wehner, Matthias Wild, Johannes Wirth, Julian Wolf, Julia Wunder, Jovana Zlatanovic

TECHNICAL REPORTS / DEPARTMENT INFORMATIK CS-2019-06 PP. 1-99, 2019