

Benjamin Herzog

IOS ENGINEER

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Education

University of Applied Sciences Dresden

M.S. IN COMPUTER SCIENCE

Dresden, Germany

Sep. 2016 - Present

- Specialized in algorithms, sensor technology and robotics.
- Learned a lot about functional programming paradigms autodidactically.
- Participated in a research seminar about the internet of things and managed a project to build a prototype of a sensor mesh network.

University of Applied Sciences Dresden

B.S. IN COMPUTER SCIENCE

Dresden, Germany

Sep. 2012 - Aug. 2015

- Wrote bachelor thesis about Swift versus Objective-C.
- Gained basic knowledge about computer architecture, algorithms, network protocols and neural networks.

Skills

Programming Swift, Objective-C, Scala, Haskell, React Native

Interests Algorithms, Compiler, Functional (Reactive) Programming, Language Design

Languages German, English

Experience

LOVOO GmbH

IOS ENGINEER

Dresden, Germany

Jun. 2015 - Present

- Developing in cross functional, product focused teams to create new features, fix bugs and refactor the codebase.
- Working in different agile environments over the years in Scrum- and Kanban-teams.
- Gaining experience in setting up and working with continuous integration and deployment with release trains.
- Working with different architectures and patterns like MVC, MVVM, Routing and extensions.
- Gained first experiences with React Native by integrating it for special screens.
- Introduced Swift to the legacy codebase to create a modern architecture.

LOVOO GmbH

IOS INTERN

Dresden, Germany

Mar. 2015 - May 2015

- Created the LOVOO Apple Watch extension with functionalities like radar, feed and chat.
- Developed LOVOO Match for Apple TV as part of my bachelor thesis.
- Acquired basic knowledge about the platform and its related dependencies.

Liefermax GmbH

FREELANCE JOB

Dresden, Germany

Nov. 2015 - Jun. 2016

- Built an iPad application to administrate the workload of a beverages deliverer.
- The app synced its data to a MSSQL database.

Evendigo / Mexan GmbH

FREELANCE JOB

Dresden, Germany

Aug. 2014 - Oct. 2014

- Built an iOS application to scan virtual entrance tickets.
- Helped design the database and backend infrastructure.

University of Applied Sciences

IOS DEVELOPER WORKING STUDENT

Dresden, Germany

Oct. 2013 - Present

- Building the iOS app for my university.
- Is a long term side project during my studies.
- Version 2.0 is being built together with two good friends and fellow students.
- This project is voluntary from my side.

Extracurricular Activity

Hallo Swift

Co-Host

Germany

Apr. 2017 - Present

- Hallo Swift is a German Apple related podcast about development.
- I launched the show together with two friends.
- We produce episodes every two weeks for approximately 300 listeners.
- Topics are mostly Swift related but could also be more broadly.

Open Swift Community

FOUNDER AND ADMIN

Germany

Jan. 2016 - Present

- Biggest German speaking community about Apple related topics.
- 780 registered developers, open to anyone.
- Hosted on Slack.

Udemy

INSTRUCTOR

San Francisco

Dec. 2014 - May 2015

- Created comprehensive tutorial videos about iOS and Swift.
- 647 participants for 10,5 hours of video playback.

SwiftDE Youtube Channel

FOUNDER AND PRODUCER

Dresden, Germany

Jun. 2014 - May 2015

- First and biggest German youtube channel with free tutorial videos for Swift.
- Due to Swift's fast development all videos are outdated now.
- Over 3000 subscribers.

Cocoaheads Dresden

MEMBER AND CO-ORGANIZER

Dresden, Germany

Dec. 2014 - Present

- The Cocoaheads-Meetup in Dresden meets monthly to follow an interesting, individual prepared talk and discuss recent topics from the Apple universe.
- My role is searching for people willing to give a talk and organizing the room.
- Gave three talks about Swift 2, Swift as an Open Source Project and React Native.

University of Applied Sciences

LECTURER

Dresden, Germany

2015 and 2016

- Gave a lecture and supervised a practical course about iOS programming.

Open Source Projects

Get Schwifty

SWIFT TO JAVASCRIPT TRANSPILER

Jun. 2017

- Created the project originally on a weekend as the application for a WWDC'17 scholarship.
- The code is completely self written and contains a lexer, parser and code generation engine.
- The Javascript code runs in an JavaScriptCore context on iOS devices.
- The app is also on the app store.

Parsel

PARSER COMBINATOR LIBRARY IN SWIFT

Aug. 2017 - Present

- Inspired by Scala Parser Combinator.
- Offers a core component to create a parser.
- Contains functional additions to combine parsers in an understandable way.
- Makes use of powerful language features like closures, generics and operators.

htwcampus

OFFICIAL UNIVERSITY IOS APP

Oct. 2013 - Present

- iOS app for students of the University of Applied Sciences to check their schedule, room-plans, grades, exam-dates and canteen-meals.
- Theoretically students can participate in the project by sending pull requests or creating issues.
- Source code is open source for security and openness.