Benjamin Herzog

iOS Engineer

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Education

University of Applied Sciences Dresden   *Dresden, Germany*

B.S. AND M.S. IN COMPUTER SCIENCE   *Sep. 2012 - Present*

- Specialized in algorithms, programming paradigms, sensor technology and robotics.
- Participated in a research seminar about the internet of things and managed a project to build a prototype of a sensor mesh network.
- Expected graduation in February 2019.

Experience

Apple Inc.   *Cupertino, CA, USA*

SOFTWARE ENGINEER INTERN   *Apr. 2018 - Sep. 2018*

- Working on an independent project related to the Xcode build system and the Swift compiler.
- Learned much about maintaining APIs, working in large, complex projects, communicating with a wide pool of different experts.
- Gave multiple talks to the upper management and staffed in different labs during WWDC.

LOVOO GmbH   *Dresden, Germany*

iOS ENGINEER *(1 year full-time, rest working student)*   *Mar. 2015 - Mar. 2018*

- Developing in cross functional, product focused teams to create new features, fix bugs, refactor the codebase, setting up and working with CI systems and deployment via release trains.
- Working in different agile environments over the years in Scrum- and Kanban-teams.
- 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.

Extracurricular Activity

Hallo Swift   *Germany*

PODCAST CO-HOST   *Apr. 2017 - Mar. 2018*

- Hallo Swift is a German Apple related podcast about software development.
- Launched the show together with two friends, producing episodes every other week for 300 subscribers.

Udemy   *Germany*

INSTRUCTOR   *Dec. 2014 - May 2015*

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

SwiftDE Youtube Channel   *Germany*

FOUNDER AND PRODUCER   *Jun. 2014 - May 2015*

- First and biggest German youtube channel with free tutorial videos for Swift.
- Over 3000 subscribers.

Open Source Projects

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 - Mar. 2018*

- 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.