

Kilian Koeltzsch

IOS DEVELOPER

☎ (+49) 151-41929976 | ✉ me@kilian.io | 🏠 kilian.io | 📄 kiliankoe | 📺 kiliankoe | 📺 kiliankoe | 🐦 @kiliankoe

Skills

Programming Languages Swift, Python, Rust, Go, Node.js and others

Areas of Expertise iOS, developer tools, open data, server-side/backend

Languages German, English

Experience

eos.uptrade GmbH

IOS DEVELOPER

Dresden, Germany

2019 - present

- Part of the iOS team in charge of several apps/solutions for digital tickets in a public transportation context.

Apple Inc.

SOFTWARE ENGINEERING INTERN

Cupertino, CA, USA

2018 - 2019

- Worked on Swift Package Manager
- Implemented a new SAT solving based dependency resolution algorithm

Dresden University of Technology

STUDENT ASSISTANT

Dresden, Germany

2013 - 2019

- Sole maintainer for the iOS app *Campus Navigator* since 2015, a mixed Swift/Objective-C project.
- Teaching assistant in *Computer Science II* for Mechanical Engineering students teaching C# and UML.
- Mentored a first year Computer Science LEGO robotics course.
- Tutored first semester Computer Science students.

ParkenDD

PERSONAL PROJECT

2014 - present

- Implemented the iOS app and backend for ParkenDD, an app that aggregates and shows current available parking spaces in public parking lots for several European cities.
- ParkenDD.de

Universitätsklinikum Carl Gustav Carus

FREELANCER

Dresden, Germany

2016

- Updated an iOS app used to navigate the university hospital campus to the current iOS SDK.
- Consulted in what's necessary for a successful iOS app publication.

Liefermax GmbH

FREELANCER

Dresden, Germany

2015 - 2016

- Collaborated to develop an iPad application to alleviate the job of a beverage deliverer
- Swift-only project that synced directly with a MSSQL database.

Remus Datentechnik GmbH

RETAIL EMPLOYEE

Ingolstadt, Germany

2010 - 2012

- Remus Datentechnik GmbH was at the time the only Apple certified Premium Reseller in Ingolstadt.
- We dealt in all things hard- and software from Apple and other selected vendors besides offering technical support to customers.

Touchpod.de

JOURNALIST

2009 - 2010

- One of the first sites to cover the iPod touch, iPhone and iOS.
- Several thousand monthly visitors at the time.
- Wrote articles reviewing Apple hardware and several iOS apps.

Public Speaking

Cocoaheads

REVERSE ENGINEERING IOS APPS

- Spoke about reverse engineering iOS apps.
- Shown techniques included intercepting network traffic, injecting code on jailbroken devices and disassembling the app binary.
- blog.kilian.io/reverse-engineering-ios

Dresden, Germany

May 2017

Mobile Camp 2017

REVERSE ENGINEERING IOS APPS

- Held the same talk about reverse engineering iOS apps as listed above.

Dresden, Germany

Apr. 2017

Lange Nacht der Wissenschaften

Lightning Talks

- Introduction into the world of bitcoin and other cryptocurrencies.
- Introduction into the marvelous world of esoteric programming languages.

Dresden, Germany

Jun. 2014, Jun. 2015, Jun. 2018

Cocoaheads

SWIFT OPEN SOURCE

- Held a talk together with Benjamin Herzog about Swift being Open Source and everything that entails.

Dresden, Germany

Dec. 2015

IDWerkstatt

ÖKOBONUS & WARUM WACHSTUM NICHT DAS MAß ALLER DINGE IST

- Spoke about eco-friendly energy consumption and stopping unnecessary economic growth.
- The IDWerkstatt was a round of *lightning talks* held in the offices of and organized by the Pirate Party Dresden.

Dresden, Germany

Dec. 2012, Mar. 2013

Education

University of Applied Sciences Dresden

ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY, B.Sc. - *unfinished*

- Specialized in automation engineering and technical computer science.

Dresden, Germany

Oct. 2016 - Jul. 2019

Dresden University of Technology

MECHANICAL ENGINEERING, B.Sc. - *unfinished*

Dresden, Germany

Oct. 2014 - Aug. 2016

Dresden University of Technology

MEDIA COMPUTER SCIENCE, B.Sc. - *unfinished*

- Was involved in projects related to web development and game design/development.

Dresden, Germany

Oct. 2012 - Aug. 2014

Extracurricular Activity

iFSR - Faculty of Computer Science Student Council

SPOKESPERSON, ETC.

- Held differing positions including spokesperson from 2012 - 2014.
- Have been an *associated member* loosely associated with official activity since.

Dresden, Germany

2012 - 2014

Other

WWDC 2016

WWDC '16 SCHOLARSHIP WINNER

- Was granted a scholarship ticket to Apple's World Wide Developer Conference 2016.
- Applied by showcasing the aforementioned ParkenDD and Campus Navigator projects.

San Francisco, USA

Jun. 2016

Akronymisierbar

Co-Host

- German language podcast about technology and adjacent topics.
- Hosted together with Hendrik Sollich.

2017 - present