

Niklas Bülow

iOS Software Engineer

EDUCATION

Karlsruhe Institute of Technology

Bachelor of Science - Computer Science, Karlsruhe, Germany

Oct 2018 - Present (expected: March 2022)

- Ongoing bachelor thesis: Proof visualization for the Lean 4 theorem prover. Aiming for integration and support of Alectryon. Extending the feature set of Alectryon for better support of static visualization of tactics and goals.
- Participated in practical teamwork project to design and implement a Windows UWP activity logging application using C# and .NET Core.
- Coursework: Operating Systems, Computer-Human Interaction, Computer Graphics, Cognitive Systems

EXPERIENCE

Lead iOS Developer - Working Student

Steeped Software Germany GmbH, Karlsruhe, Germany

Sep 2020 - Present

- Lead the development of the iOS Application built using UIKit and Core Data.
- Guide integration of accessibility features.
- Administer and manage CI/CD pipeline using Fastlane and Bitrise.
- Coordinate and support backend REST API Design and implementation using Java and AWS.
- Integrate iOS app backend using Stripe SDK and AWS Amplify.

iOS Developer - Working Student

Jamit Labs GmbH, Karlsruhe, Germany

Jan 2018 - Sep 2020

- Engineered critical solutions for industries like digital healthcare, fitness applications, streaming services, FinTech.
- Solved face to device distance tracking for app dedicated for optometrists to evaluate visual impairment.
- Developed secure connectivity feature between multiple iPad and Apple TV devices using BLE and MultiPeer connectivity.
- Achieved over 80% test coverage for a FinTech app by implementing unit and integration tests using XCTest.
- Coded app backends for REST and GraphQL.

AWARDS & CERTIFICATIONS

2x WWDC Swift Student Challenge Award

Jun 2020 - Jun 2021 from Apple Inc.

3x WWDC Scholarship Recipient

Jun 2017 - Jun 2019 from Apple Inc.

- Attended Apple's WWDC Conference in San Jose

Cambridge English Level 2 Certificate in ESOL International (Advanced)

Jan 2018

Grade C, overall score of 187

CONTACT

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Twitter: @niklasbuelow

SKILLS

Language

- **German** (first language)
- **English** (fluent, spoken, written)

TECHNICAL SKILLS

Programming

- **Swift (advanced)**
- Objective-C
- Lean 4
- Rust
- Java
- C

Tools & Frameworks

- **UIKit**
- **SwiftUI**
- **Git**
- Core Graphics
- XCTest
- Xcode
- Functional programming
- Object-oriented programming

Technical Interests

- Operating Systems
- Compiler + Language Design
- Embedded Systems