

# Nikolai Madlener

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## EDUCATION

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| <b>Technical University of Munich</b><br><i>Master of Science in Informatics</i>   | Oct. 2021 – Aug. 2023<br><i>Munich, Germany</i>    |
| <b>Technical University of Munich</b><br><i>Bachelor of Science in Informatics</i>   | Oct. 2017 – June 2021<br><i>Munich, Germany</i>    |
| <b>Higher Technical Education Institute Rankweil</b><br><i>General Qualification for University Entrance</i> <ul style="list-style-type: none"><li>• Passed with distinction</li></ul> | Sept. 2011 – June 2016<br><i>Rankweil, Austria</i> |
| <b>Sports-Middleschool Satteins</b>  | Sept. 2007 – July 2011<br><i>Satteins, Austria</i> |
| <b>Primary School Satteins</b>   | Sept. 2003 – July 2007<br><i>Satteins, Austria</i> |

## EXPERIENCE & INTERNSHIPS

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| <b>Software-Engineer (workig student, remote)</b><br><i>ALEAS AG</i> <ul style="list-style-type: none"><li>• Mobile and full-stack web application development</li></ul>   | May 2017 – present<br><i>Ruggel, Liechtenstein</i>   |
| <b>Software-Engineer (academic assistant)</b><br><i>Technical University of Munich, Digital Health Group</i> <ul style="list-style-type: none"><li>• Development of a healthy navigation iOS app that enables multi-modal routing</li></ul>  | Oct. 2021 – present<br><i>Munich, Germany</i>        |
| <b>Logistics Software System Configuration (Internship)</b><br><i>Tesla</i> <ul style="list-style-type: none"><li>• Configuration and implementation of the material flow system at the Tesla Giga Berlin factory</li><li>• Close contact with US team and technical support for logistics workers on site</li></ul> | March 2021 – April 2021<br><i>Grünheide, Germany</i> |
| <b>iOS-Developer (Internship)</b><br><i>TUM/Carl Zeiss Meditec AG</i> <ul style="list-style-type: none"><li>• Development of a iOS app for training doctors using the Zeiss Convivo device within the TUM undergraduate internship (iPraktikum/Chair for Applied Software Engineering)</li></ul>                     | Oct. 2019 – Feb. 2020<br><i>Munich, Germany</i>      |

## PROJECTS & EXPERTISE

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| <b>encore.</b>   <i>Swift, Spotify SDK, REST</i> <ul style="list-style-type: none"><li>• Development of an iOS app that lets friends add/vote songs in a shared music queue</li><li>• Integration of Spotify with the Spotify SDK and API</li></ul> | May 2020 – present  |
| <b>TUM Campus App</b>   <i>Swift, WidgetKit, REST</i> <ul style="list-style-type: none"><li>• Extension of the open source TUM Campus app with daily cantina meal plan widgets for the iOS homescreen</li></ul>                                     | Dec. 2021 – present |
| <b>Swift Tutor</b> <ul style="list-style-type: none"><li>• Introduced iOS development to students at the iPraktikum Bootcamp (Chair for Applied Software Engineering)</li></ul>   | April 2020          |

## CIVIL SERVICE

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| <b>Paramedic</b><br><i>Austrian Red Cross</i> | Sept. 2016 – May 2017<br><i>Feldkirch, Austria</i> |
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## SKILLS & INTERESTS

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**Foreign Languages:** English (C1), Spanish (A1)  
**Programming Languages:** Swift, TypeScript, C#, Java  
**Frameworks:** SwiftUI, React Native, ASP.NET, Spring  
**Interests:** Running, Hiking, Skiing, Software Engineering, Machine Learning, iOS