

# CURRICULUM VITAE

## FABIAN ISELE

COMPUTER SCIENCE STUDENT

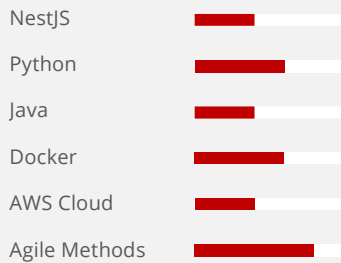


The broad experience I gained during my pathway so far provided me with the knowledge to be employable in various environments. Colleagues describe me as companionable, loyal and thoughtful. Besides my professional interests, I thrive if I can develop my personality, do coaching and mentoring and follow agile

### PERSONAL DATA

- only on offline CV, 76133 Karlsruhe, Deutschland
- only on offline CV
- only on offline CV
- linkedin.com/in/fabii
- <https://fabian.ski>

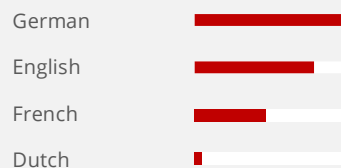
### MAIN SKILLS



### WORKED WITH

Postgres, Terraform, Kotlin, Android Apps, Ruby, PHP, HTML/CSS, JavaScript, Nodejs, C/C++, Kafka, Redis, Penetration Testing, ApacheMQ, Tensorflow, OpenCV

### LANGUAGES



### INTERESTS

- Deep learning
- Security & Infrastructure
- Leadership
- Teambuilding
- Coaching

### EDUCATION

#### BACHELOR OF COMPUTER SCIENCE

University of Applied Sciences (1.6) Karlsruhe (GER)  
▪ Thesis: "Detection and Classification of Abnormalities in Dog Spines using Convolutional Neural Networks"

#### SEMESTER ABROAD, BACHELOR OF COMPUTER SCIENCE

Cork Institute of Technology, CIT (First Class Honours, 1.0, 30 ECTS) Cork (IE)  
▪ Machine Learning, Security for Software Systems, Project Management

#### BACHELOR OF COMPUTER SCIENCE

Karlsruhe Institute of Technology, KIT Karlsruhe (GER)

#### HIGH SCHOOL

University entrance qualification certificate Waldshut (GER)  
Technical Gymnasium Waldshut, Profile Computer Science

### WORK AND PRACTICAL EXPERIENCE

#### SOFTWARE DEVELOPER BACKEND

Abusix Inc. Karlsruhe (GER)/Remote  
With my in-depth domain knowledge and general architecture overview from my student positions, I decided to start my professional career at Abusix.  
▪ NestJS API design and development from scratch  
▪ Java monolith break-up  
▪ Python data processing day-to-day development  
▪ Site reliability (AWS, Terraform, Docker)

#### SOFTWARE ENGINEER - WORKING STUDENT

Abusix Inc. Karlsruhe (GER)

#### SOFTWARE ENGINEER - INTERNSHIP

Abusix Inc. Karlsruhe (GER)  
In this five-month internship, I finished the following two projects:  
▪ I migrated the inbound data processing to Amazon Web Services using a parallelised and component-based software environment (Python).  
▪ The second task which I fulfilled was to evaluate an internal event and message bus. Prototypes with self-deployed Kafka cluster and services like AWS SNS, ActiveMQ, ApacheMQ and AmazonMQ

#### WORKING STUDENT SOFTWARE DEVELOPMENT

IONOS 1&1 Karlsruhe (GER)

#### WORK AND TRAVEL

New Zealand New Zealand (NZ)  
The primary goal was to improve my ability to speak and comprehend English. The second point to focus on was gaining experience working abroad.

10/2016 - today

09/2018 - 01/2019

10/2013 - 10/2016

07/2010 - 07/2012

02/2020 - today

12/2015 - 01/2020

12/2015 - 12/1017

12/2015 - 12/2017

02/2013 - 07/2013

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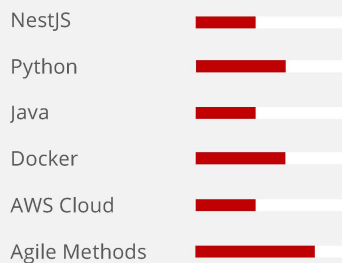
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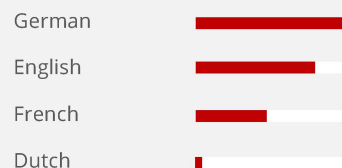
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### LANGUAGES





### INTERESTS

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Leadership  
Teambuilding  
Coaching

### CERTIFICATES

#### LANGUAGE TRAININGS

- CLC Montreal - 40h French B1, 10h academic English C2  Montreal (CA)
- ULearn Dublin - 80h English C1  Dublin (IE)

#### NESTJS FUNDAMENTALIST CERTIFICATE

 Remote

#### AGILE SOFTWARE ENGINEER

- Andrena Objects  Cologne (Ger)
- One week of practical training on Scrum and agile methods.

### RESEARCH EXPERIENCE AND SCHOLARSHIPS

#### MITACS/DAAD Rise Globalink Research Internship

University of Guelph  Guelph (CA)

- “Segmentation of Liver Cancer Cells and Classification of viable Tumor Burden on Histological Whole Slide Images”
- “Detection and Classification of Abnormalities in Dog Spines using Convolutional Neural Networks”
- Student mentoring

#### ESSAYS

Topics I worked on at the university.

- “Recurrent Neural Networks for Natural Language Processing”
- “Challenges on Cyber-physical Systems”
- “Hardware and Firmware of Multicopters”

#### LABORATORIES AND PROJECTS

Team assessments and laboratories, I have worked on in the past.

- IT Security lab:** penetration testing and threat analysis
- Machine Learning lab:** Naive Bayes implementation, N-Queens optimisation, Evaluation on different algorithms using a simple dataset (Python)
- Medical Engineering lab:** “*Assembly of an EKG and its Signal Analysis.*” (Matlab, Hardware)
- Research Project:** “*Routing software for Universities including routing within Buildings.*” (Java)

### VOLUNTARY ENGAGEMENT

#### ERASMUS STUDENT BUDDY

University of Applied Sciences  Karlsruhe (GER)

#### CLIMBING INSTRUCTOR

University Sport, KIT  Karlsruhe (GER)

Showing beginners the necessities of climbing and ensuring everyone’s security, as well as training intermediate climbers, is a responsible but fun job for me.

- Courses for beginner, intermediate and competitive climbers
- Coordinated the project of an outdoor bouldering wall

#### ICE HOCKEY SCOREKEEPER

EHC Herrisried  Herrisried (GER)

Voluntary work as an official at regional ice hockey matches.

05/2019 -  
09/2019

02/2019 -  
04/2020

10/2015 -  
10/2018

09/2009 -  
04/2011