



# Daniel Banciu

Highly motivated student looking for a Master Thesis

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02.07.1998

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## SKILLS

### Backend Development

● ● ● ● ○  
Java, Python, Springboot / VertX, REST

### Machine Learning

● ● ● ○ ○  
PyTorch, Classification, Regression

### Frontend Development

● ● ● ○ ○  
ReactJS, HTML/CSS

### Data Science

● ● ● ○ ○  
NLP, Clustering

## INTERESTS

Karate

Jiu-jitsu

Gaming

Gym

## LANGUAGES

German

Native  
● ● ● ● ●

English

Fluent  
● ● ● ● ○

Romanian

Native  
● ● ● ● ●

Italian

A2  
● ● ○ ○ ○

## AWARDS

Deutschlandstipendium (scholarship)  
Deutschlandstipendium 2019-2020

I am currently studying MSc Computer Science @University of Tübingen. I am running my own business as an external data protection consultant. Been working both full time and part time as a software developer since 2020. I am very communicative and ambitious.

## EDUCATION

**University of Tübingen** (01.10.2021 - Present)  
Master of Science, Computer Science  
<https://uni-tuebingen.de/en/>

**Heilbronn University of Applied Sciences** (01.09.2017 - 31.08.2021)  
Bachelor of Science, Software Engineering  
<https://www.hs-heilbronn.de/en>

**Immanuel-Kant-Gymnasium** (09.01.2009 - 26.07.2017)  
General qualification for university entrance 2.3

## WORK EXPERIENCE

**Vector Informatik GmbH** (16.11.2020 - 28.03.2023)  
Software Developer  
Bachelor Thesis, Full-Time in between Bachelor and Master, working student  
<https://www.vector.com>

**eXXcellent solutions consulting & software GmbH** (14.02.2020 - 31.10.2020)  
Software Developer  
Internship and then working student  
<https://exxcellent.de/>

**Created own small business** (01.04.2018 - Present)  
External data protection consultant  
External data protection consultant and IT consultant specialized for dentists

## BACHELOR THESIS

**Predictive Analysis of Electric Vehicles during Charging to Optimize Load Management Algorithms** (01.01.2021 - 30.06.2021)  
Bachelor Thesis at Vector GmbH  
Implementation of a new feature that collects information about electric vehicles and their charging behaviour for an existing load management product.  
Energy, Load Management, Java, Electric Vehicles

## VOLUNTEER EXPERIENCE

**Digitale Sprechstunde**  
IT consulting "hour"  
Helping old people with all IT-related things such as setting up their first smartphone and explaining how to write e-mails etc.

**Jugendgemeinderat (local politics youth council)**  
founding member 2016  
<https://www.leinfelden-echterdingen.de/Startseite/Stadt/Jugendgemeinderat.html>

## PROJECTS

### BUGA 2019 App

Bachelor "big project" at Heilbronn  
Development of an application for the Bundesgartenschau 2019 in Heilbronn as part of the big project in the 5th semester of the bachelor's degree.  
Fullstack-Developer and Scrum Master.  
Fullstack, Java, React, Scrum

### Self Driving Cars Machine Learning Challenges

Self Driving Cars course at Tübingen  
Challenges involved imitation learning and reinforcement learning using the car gym environment.  
Machine Learning, PyTorch

### Fair Machine Learning Seminar

Fair Machine Learning Seminar at Tübingen  
Evaluation the effectiveness of attribution methods for tabular data. Comparing the performance of SHAP and LIME attribution methods. Using a transformer-based language model, known as GReaT.  
<https://github.com/dbanciutue/tabular-ROAD>  
Explainable Machine Learning, Attribution Methods

### NLP Analysis

Course Project of "Data Literacy" at Tübingen  
Analysis of an unknown data set in a project in teams of two. We analysed every speech in the Bundestag and tried to answer questions like "How has the language developed?"  
Data Science, NLP

### Pose Estimation Machine Learning

Praktikum Bildverarbeitung, Maschinelles Lernen und Computer Vision  
As part of the course "Praktikum Bildverarbeitung, Maschinelles Lernen und Computer Vision" we show how we developed a pytorch implementation of the paper 'Toward fast and accurate human pose estimation via soft-gated skip connections'.  
[https://github.com/Human-Pose-Estimation-Tubingen/Stacked\\_Hourglass\\_paper](https://github.com/Human-Pose-Estimation-Tubingen/Stacked_Hourglass_paper)  
Machine Learning, PyTorch

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