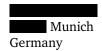
# Andreas Ellwanger, B.Sc. Curriculum Vitæ



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# **Summary**

Andreas, a postgraduate student, currently pursues Computer Science at the Ludwig Maximilian University of Munich, Germany and the Leiden University, The Netherlands. He graduated in April 2018 at the LMU Munich with a Bachelor of Science in Media Informatics and Human-Computer Interaction. At the moment Andreas works remotely for a Berlin-based startup called Aiderly GmbH as a Full Stack Developer / UX Researcher. Since last year he is part of the Tech4Germany fellowship, Germany's first e-Government fellowship with Germany's Chief of Staff Prof. Helge Braun as patron. Therefore he had been staying in Berlin, Germany for three months to work as a UX Researcher as well as a Frontend Developer for the German government. Together with eight other fellows, they worked on topics related to digitalisation and e-government.

## Work experience

12/2018 - present Full Stack Developer / UX Researcher at Aiderly GmbH, Berlin, DE

• Devise UX standards and accessibility features

• Design and develop new features

• Maintain and adopt existing features of the Aiderly software

Technology stack (React, GraphQL, Prisma)

08/2018 - 10/2018 Engineering Fellow at Tech4Germany, Berlin, DE

• Investigated user base, worked agile, iteratively prototyped, early user testing

• Redesigned web presence (approx. 85M Euro revenue in 2017) iteratively

• Coded accessible website, added mobile viewport, built design system

Technology stack (Gulp, HTML, Sass, JS, GitHub, Figma)

06/2015 - 08/2015 Tutor in Computer Science at Ludwig Maximilian University of Munich, DE

#### **Education**

02/2019 - present Leiden University, NL

Study abroad (Spring 2019), Computer Science, Erasmus+ Grant

04/2018 - present Ludwig Maximilian University of Munich, DE

Pursued degree: M.Sc. in Computer Science

• Implemented P2P application based on Chord algorithm (developed by MIT) in Rust

• Built real-time interactive playlist web app with Scala.js Frontend and Scala Backend

10/2013 - 04/2018 Ludwig Maximilian University of Munich, DE

B.Sc. in Media Informatics and Minor Human-Computer Interaction, April 2018

Advisor: Axel Hösl

• Thesis led to conference participation where peer-reviewed paper was presented

• Won 1st place at AI tournament with Settlers of Catan implementation in Java

05/2011 - 09/2013 Technical University of Munich & Ludwig Maximilian University of Munich, DE

**Bioinformatics** 

09/2001 - 05/2011 Christoph-Scheiner-Gymnasium Ingolstadt, DE

The Abitur (DE), German equivalent of "A Levels", May 2011

post-secondary school diploma corresponding to university entrance level

09/1997 - 07/2001 Grundschule a. d. Münchener Straße, Ingolstadt, DE

Andreas Ellwanger Curriculum Vitæ

## **Scholarships and Grants**

02/2019 Received grant from Erasmus+ programme to study abroad for half a year

08/2018 Received scholarship from VolkswagenStiftung, DE to drive digitisation in Germany as a

**Tech4Germany fellow** 

## **Volunteer experience**

2013 - 2014 Mentor at Lewis and Clark College, Munich, DE

Year of Study in Munich program

### Certification

24 June 2018 Erasmus+ Online Linguistic Support (OLS), EU

English language assessment at level C2 CEFR

24 June 2016 Leipzig University of Applied Sciences, DE

English in Computer Science and Information Technology at level C1.1 CEFR (Grade 1,0)

#### Research

Axis+Content [1] was written & submitted to DroNet@MobiSys 2018 by Andreas with the help of Axel Hösl and Andreas Butz. It received overall merit *accept* and *weak accept* by two knowledgeable reviewers, and was accepted as one of 6 full papers (out of 26 submissions). At the conference, Andreas held an 18-minute talk to present the full paper and answer questions in the Q&A afterwards. See also his publication profiles at ACM Digital Library, DBLP, Google Scholar and ORCID.

[1] Andreas Ellwanger, Axel Hoesl, and Andreas Butz. "Axis- Plus Content-based Control for Camera Drones: Design and Evaluation of User Interface Concepts". In: *Proceedings of the 4th ACM Workshop on Micro Aerial Vehicle Networks, Systems, and Applications*. DroNet'18. Munich, Germany: ACM, 2018, pp. 9–14. ISBN: 978-1-4503-5839-2. DOI: 10.1145/3213526.3213529. URL: http://doi.acm.org/10.1145/3213526.3213529.

#### Talk

15 June 2018 Full paper presentation of Axis+Content [1]. At 4th ACM Workshop on Micro Aerial Vehicle

Networks, Systems, and Applications (DroNet 2018) @ MobiSys 2018. Munich, DE

#### Skills

Languages German (native), English (fluent)

Programming languages Java, Scala, C#, Python, React, Rust, JavaScript, R, REST, SQL, HTML/CSS

Other scientific tools Git, LaTeX

#### Online presence

See also his personal profiles at GitHub, Twitter and LinkedIn.