

# 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

## Volunteer experience

2013 -2014      **Mentor at Lewis and Clark College**, Munich, DE  
*Year of Study in Munich* program

## Certification

24 June 2016      **Leipzig University of Applied Sciences**, Germany  
 English in Computer Science and Information Technology at level C1.1 CEF (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 my 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](https://doi.org/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.

## Skills

<i>Languages</i>	German (native), English (fluent)
<i>Programming languages</i>	Java, Scala, C#, Python, React, Rust, JavaScript, R, REST, SQL, HTML/CSS
<i>Other scientific tools</i>	Git, LaTeX

## Online presence

See also my personal profiles at [GitHub](#), [Twitter](#) and [LinkedIn](#).