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CONTACT Crowd Computing group [jonas.oppenlaender@oulu.fi](mailto:jonas.oppenlaender@oulu.fi)  
INFORMATION Center for Ubiquitous Computing  
University of Oulu <https://github.com/joetm>  
Pentti Kaieran katu 1  
90570 Oulu, Finland <http://www.jonaso.com>

Birth date: 11. Feb 1981

Nationality: German

SUMMARY I am a last-year PhD student with a keen interest in applying AI and crowdsourcing to configure spaces for the future of work that are fair, accountable, and transparent. I research and develop web-based mixed-initiative interfaces and socio-technical systems that empower, support, and augment humans.

## EDUCATION

MAY 2018 – PRESENT **Doctoral student, Computer Science**  
University of Oulu, Crowd Computing group  
Oulu, Finland  
Dissertation: Crowd-powered Creativity Support  
Advisor: Associate Prof. Simo Hosio

AUG 2014 – NOV 2015 **Master of Science, Computer Science**  
University of Southampton, Web Science Institute  
Southampton, United Kingdom  
Thesis: CrowdUI – A Remote Tool to Crowdsourcing and Evaluate User Interfaces  
Advisor: Associate Prof. Thanassis Tiropanis  
Graduated with distinction

JAN 2013 – JULY 2013 **Certificate in Business Analysis**  
University of Toronto, School of Continuing Studies  
Toronto, Canada

AUG 2005 – JULY 2006 **Erasmus exchange student**  
Linköping University, Institute of Technology  
Linköping, Sweden

OCT 2002 – MAR 2011 **Diplom-Wirtschaftsingenieur** (Master of Science in Industrial Engineering)  
Technical University of Darmstadt  
Darmstadt, Germany  
Thesis: Applying the Kano model to analyze social product requirements

1991 – 2000 **General qualification for university entrance** (Abitur)  
Gymnasium am Deutenberg  
Villingen-Schwenningen, Germany

## RESEARCH EXPERIENCE

MAY 2018–APR 2021 **Doctoral Researcher**  
University of Oulu  
Oulu, Finland  
– Working independently on my own research projects under multiple deadlines

- Produce and present research papers at internationally leading conferences and events (
- Planned and executed experiments
- In-person interviewing of study participants and questionnaire administration
- Fullstack web development (JavaScript/React, Python, PHP) and cross-mobile development (Monaca/PhoneGap/Cordova)
- Data analysis in R
- Developed academic research partnerships and cooperation with leading universities and professors in the area
- Organized two workshops at top international conferences (CHI '19 and C&C '19)

AUG 2016–APR 2018

**Research Assistant** (Wissenschaftlicher Mitarbeiter)

Freie Universität Berlin, Human-Centered Computing Group  
Berlin, Germany

Project IKON:

- A solution for facilitating internal knowledge transfer at the Museum of Natural History, Berlin, with a touch-screen based visualization of research activities based on a formal ontology
- Developed an ontology ([fub-hcc.github.io/IKON-ontology](https://github.com/fub-hcc/IKON-ontology)) and a software architecture for integrating and processing heterogeneous data from different sources
- Managed the research group's intranet (Confluence and Jira)

AUG 2016–MAR 2017

**Research Assistant** (Wissenschaftlicher Mitarbeiter)

Interdisciplinary Cluster of Excellence "*Image Knowledge Gestaltung*"  
Humboldt University of Berlin  
Berlin, Germany

Project ID+LAB:

- Linked data based interactive visualization of interdisciplinary research activities at the Cluster of Excellence
- User modelling, use case development, and empirical studies (interviews)

## PROFESSIONAL EXPERIENCE

MAY 2016–JULY 2016

**Full-Stack Open Data Developer**

Liip AG  
Bern, Switzerland

Developed open data solutions using modern web development practices in an agile Scrum team.

Stack: Python (Django, CKAN), JavaScript (Vue.js)

Projects:

- SBB Open Data Platform ([opentransportdata.swiss](https://opentransportdata.swiss))
- Eurapco Trend Observatory ([eurapco-trends.com](https://eurapco-trends.com))

OCT 2015–APR 2016

**Linked Data Developer**

Seme4 Ltd.  
Southampton, United Kingdom

Research and development of linked open data solutions.

Stack: Python (CKAN), PHP, PostgreSQL, JavaScript

Advisors: Dr. Ian Millard, Dr. Hugh Glaser

- Lead developer for the SkillsPlanner linked data project ([skillsplanner.net](https://skillsplanner.net)), an InnovateUK-funded research project for solving the skills gap in London's construction industry

- Development of CKAN data management and linked data conversion tools
  - Redesign and refactoring of the sameAs-Lite service
- AUG 2013–JULY 2014    **IT Business Analyst**  
Alstom IS&T  
Paris, France
- Analysed, defined and designed new IT services and processes:
    - Served as liaison to the functional service owner to translate business requirements into efficient and highly usable solutions
    - Managed the service transition, conducted the final acceptance testing and presented the results to the service catalogue governance board
  - Beta tested the corporate end-user IT service web portal
  - Developed and managed the IT service catalog through four iterations
  - Drafted and translated IT service-related communications to the 90,000 employees and IT support groups
- JUNE 2011–MAR 2012    **Strategy Analyst Trainee**  
Alstom Power  
Baden, Switzerland
- Improved the internal idea management system and process
  - Migrated the Power Business division’s intranet to Microsoft SharePoint
  - Automated the generation of PowerPoint presentations for KPI reporting with macros in Excel
  - Supported the strategic planning
- 2008–2013    **Freelance Full-Stack Web Developer**  
Darmstadt, Germany
- Full-Stack web development and community administration  
Stack: PHP, JavaScript
- Developed my own online social network website (with over 228,000 members) and a geo information website with crowdsourced content
  - Promoted online partner programs as an affiliate webmaster
- JULY 2010–AUG 2010    **Volunteer**  
Local Economic Development Department  
Radoviš, Macedonia
- 2000–2002    **Military Service**  
Franco-German Brigade  
Donaueschingen, Germany

## RECOGNITIONS AND AWARDS

- |           |  |
|-----------|--|
| SEPT 2020 | Invited Member of Doctoral Consortium at Mensch und Computer '20           |
| JUNE 2020 | Invited Member of Doctoral Consortium at EICS '20                          |
| JUNE 2019 | Invited Member of Graduate Student Symposium at Creativity & Cognition '19 |
| Nov 2015  | Distinction, University of Southampton                                     |

## SCHOLARSHIPS AND GRANTS

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|-----------|---|------------|
|           | Total funding (personal grants) received: | 26 710 EUR |
| SEPT 2020 | Jenny and Antti Wihuri Foundation Grant   | 5000 EUR   |

JUNE 2020	Riitta and Jorma J. Takanen Foundation Scholarship	1500 EUR
MAY 2020	Finnish Foundation for Technology Scholarship	5000 EUR
MAR 2020	Tauno Tönning Foundation Grant	5000 EUR
DEC 2019	Nokia Foundation Scholarship	5000 EUR
AUG 2005	Erasmus Sokrates Scholarship, DAAD	1100 EUR
SEPT 2020	Course grant, University of Oulu UniOGS	500 EUR
JUNE 2019	Travel grant, ACM SIGCHI	US \$1800
MAY 2019	Travel grant, University of Oulu UniOGS	400 EUR
MAY 2019	Travel grant, University of Oulu UniOGS	1000 EUR
OCT 2018	Travel grant, Ubicomp/ISWC	US \$600

## TEACHING EXPERIENCE

Co-Teacher, University of Oulu

2019 – 2020	Social Computing (521044A, 30+ students, 5 ECTS, Bachelor) Spring 2019, Spring 2020, Autumn 2020 (schedule change) Responsible for organizing, managing, and holding all exercise labs, including mini lectures at the beginning of each lab
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Teaching Assistant

2020, 2019	Human Computer Interaction (521145A, 145+ students, 5 ECTS, Bachelor) Autumn 2018, Autumn 2019, Autumn 2020
2019	Applied Computing Project I (521152S, 3 students, 10 ECTS, Master)
2016–2017	Software Project (4 students, Bachelor and Master) Web-based game for collaboratively annotating digitized images of the cultural heritage archive at the Department for Art and Visual History, Humboldt University Berlin

Curriculum planning

2019	Social Computing (521044A, Bachelor), University of Oulu
2018	Semantic Web Technologies (19305401, Master), Freie Universität Berlin

## STUDENT SUPERVISIONS

SEPT 2020–TODAY	Bachelor thesis, Katri Säily
DEC 2018–MAY 2019	Technical supervisor, Master thesis, Antonio Kongjonaj
JUNE 2018–AUG 2018	Summer project, Antonio Kongjonaj
JAN 2018–APR 2018	Bachelor thesis, Bastian van de Wetering
DEC 2017–APR 2018	Master thesis, Ömer Bayram
DEC 2017–APR 2018	Bachelor thesis, Andre Slava Paderow

AUG 2016–APR 2017	Master thesis, Immanuel Pelzer
NOV 2016–JUNE 2017	Software Project, 3 students
DEC 2016–APR 2018	Supervision of two student research assistants

## ACADEMIC SERVICE

OCT 2020	Student Volunteer, UIST '20, Virtual
JUNE – AUG 2020	Organizing Committee, Int. Conference on Design Creativity (ICDC 2020), Virtual
MAY 2019	Organizer, Workshop on Designing Crowd-powered Creativity Support Systems (CHI '19), Glasgow, UK
JUNE 2019	Organizer, Workshop on Crowd-Powered Interfaces for Creative Design Thinking (C&C '19), San Diego, CA
JAN 2019	Associate Chair, CHI '19 Late Breaking Work
JUNE 2019	Student Volunteer, Creativity & Cognition (C&C '19), San Diego, CA
OCT 2018	Student Volunteer, Ubicomp/ISWC '18, Singapore
JUNE 2018	Organizing Committee, UBI Summer School 2018 (UBISS '18), Oulu
APR 2018	Program Committee, Studierendenkonferenz Informatik (SKILL '18), Berlin

## PEER REVIEWER

2020	CHI, UIST, IUI, EICS, CSCW, MobileHCI, Human Computation Journal
2019	CHI, UIST, EICS, CSCW, C&C, INTERACT
2018	IMWUT, CSCW, CHI PLAY, HICSS, ICMI, ESWC

## CERTIFICATIONS AND LICENSES

2014	Scrum Master (Scrum Alliance)
2014	Certified Associate in Project Management (PMI)
2014	ITIL v3 Foundation (Axelos)
2013	Certificate in Business Analysis (University of Toronto)
2013	Quality Manager (German Accreditation Body DAkkS)
2010	Zend Certified Engineer PHP 5 (License No. 013105)
2009	Business English Certificate Higher (University of Cambridge)

## LANGUAGES

GERMAN	Mother tongue
ENGLISH	Very good (TOEFL 114/120, IELTS 8)
FRENCH	Beginner

SPANISH                      Beginner

## MEMBERSHIPS

ACM                      Association for Computing Machinery

SIGCHI                  ACM Special Interest Group on Computer-Human Interaction

GI                        Gesellschaft für Informatik e.V.

IEEE                    Institute of Electrical and Electronics Engineers

## REFERENCES

PRIMARY                      Simo Hosio, Associate Prof.                      [simo.hosio@oulu.fi](mailto:simo.hosio@oulu.fi)  
SUPERVISOR                      Crowd Computing group  
                                        Center for Ubiquitous Computing  
                                        University of Oulu

SECONDARY                    Denzil Ferreira, Associate Prof.                      [denzil.ferreira@oulu.fi](mailto:denzil.ferreira@oulu.fi)  
SUPERVISOR                    Community Instrumentation and Awareness group  
                                        Center for Ubiquitous Computing  
                                        University of Oulu