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[LinkedIn](#)

### Programming

HTML / CSS, Bootstrap/Tailwind, Typescript, React, Redux, Angular, d3, leaflet, and node / webpack

Java, C++, Objective-C/Swift, R, and Python

### UX Skills

Quantitative methods (regression, significance tests), qualitative methods (coding, affinity diagrams), usability tests, A/B tests, user modeling, information design, design patterns, and prototyping (Figma, Sketch)

### Organizational Skills

Project management, Docker, and Git CI/CD

### Certifications

Sun-Certified Java Developer, Designing, Running, and Analyzing Experiments (Coursera, 99%), Design Thinking (IDF, top 10%), and more (see [LinkedIn profile](#))

### Languages

English: Fluent  
German: Intermediate (B1–B2)

### NRW Scholarship (during M.Sc.)

### Hobbies and Interests

Running, tennis, cricket, [reading](#), podcasts, [chess](#), digital art, and video games

# Krishna Subramanian

Enthusiastic computer scientist with strong skills in UX, web/iOS development, and research methods. I am passionate about using scientific and design thinking to create immersive, impactful products. For examples of my work, see my [personal website](#).

I currently work as a Research Assistant at [RWTH Aachen](#), in one of the [top HCI research labs in Germany](#), headed by [Prof. Jan Borchers](#). I obtained my Master's degree in [Media Informatics](#) from [RWTH Aachen](#), and my Bachelor's degree in Computer Science from [Amrita University](#), a [top-ranked Indian university](#).

I am a permanent resident of Germany ("Niederlassungserlaubnis").

## Experience and Education

Aug 2014 – present

Research Assistant at [RWTH Aachen](#)

My responsibilities include

- software development (web, iOS, and data science);
- planning and contributing to UX research projects;
- mentoring and leading teams of junior developers and researchers;
- organizing and teaching courses, labs, and seminars about UX / HCI; and
- administrative roles.

See my [work page](#) for details.

May 2015 – Sep 2015

Software Developer at [INFORM GmbH](#)

I designed and built a web-based app to simulate evacuation scenarios across Germany.

Sep 2011 – Feb 2014

M.Sc. Media Informatics at [RWTH Aachen](#)

Jul 2007 – May 2011

B.Tech. Computer Science at [Amrita University](#)

## Selected Publications

**Krishna Subramanian**, Johannes Maas, Jan Borchers, and Jim Hollan. *From Detectables to Inspectables: Understanding Qualitative Analysis of Audiovisual Data*. (To appear) Paper at ACM CHI '21.

**Krishna Subramanian**, Nur Hamdan and Jan Borchers. *Casual Notebooks and Rigid Scripts: Understanding Data Science Programming*. Paper at IEEE VL/HCC '20.

**Krishna Subramanian**, Johannes Maas and Jan Borchers. *TRACTUS: Understanding and Supporting Source Code Experimentation in Hypothesis-Driven Data Science*. Paper at ACM CHI '20.

**Krishna Subramanian**, Jeanine Bonot, Radu A. Coanda and Jan Borchers. *StatPlayground: A Sandbox for Learning Practical Statistics*. Paper at INTERACT '19.

Chat Wacharamanotham, **Krishna Subramanian**, Sarah Theres Völkel, and Jan Borchers. *Statsplorer: Guiding Novices in Statistical Analysis*. Paper at ACM CHI '15.

**Krishna Subramanian**. *VisiStat: Visualization-driven, Interactive Statistical Analysis*. Student Research Competition entry at ACM CHI '14.