

# Severin Engert

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🌐 /severin-engert-96a911217

## EDUCATION

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- Media Computer Science MSc** *2018 - 2020*  
Technische Universität Dresden  
Thesis: „Kinetic Sculpture for Personal DataVis“  
Grade: 1.2
- Media Computer Science BSc** *2015 - 2018*  
Technische Universität Dresden  
Thesis: „Immersive Design of Architecture by Combining Interactive Displays with Augmented Reality“  
Grade: 1.6
- Abitur (German A levels)** *2015*  
Immanuel-Kant-Gymnasium, Leipzig  
Grade: 1.3

## EMPLOYMENT AND EXPERIENCE

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- Interactive Media Lab Dresden – Research Associate** *2020 - present*  
- Research on Shape-Changing Interfaces, Data Physicalizations, Digital Fabrication, AR Tools  
- Lead teaching assistant on course “Foundations of Physical Computing”  
- Teaching responsibilities for exercises in course like “Data Visualization”, “Information Visualization” and multiple practical course projects  
- Supervision of student theses (Bachelor, Master) with focus on Tangible Input Devices, Digital Fabrication, Firmware Development
- Interactive Media Lab Dresden – Student Assistant** *Intermittent 2018 - 2020*  
- Software development in Augmented Reality  
- Creation of supplementary media for publications like ACM Video Figures  
- Contributions and proofreading of publications
- Freelancer – Self-Employed** *Intermittent 2017 - present*  
- Web development for local businesses

## TECHNICAL STRENGTHS

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<b>Rapid Prototyping</b>	Digital Fabrication, Parametric Modelling, Electronics, Mechanics
<b>Software Development</b>	Augmented Reality, Web Development, Microcontroller Programming
<b>Tools</b>	Unity, Arduino, Autodesk Fusion360, EasyEDA, Adobe CC, DaVinci Resolve, Microsoft Office
<b>Programming Languages</b>	Arduino / C++, C#, HTML, CSS, JS / NodeJS, git

## PUBLICATIONS

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**Severin Engert**, Konstantin Klamka, Andreas Peetz, and Raimund Dachsel  
STRAIDE: A Research Platform for Shape-Changing Spatial Displays based on Actuated Strings, **CHI 2022 Proceedings**

**Severin Engert**, Remke Albrecht, Constantin Amend, and Felix Meyer  
TimeBOMB: An Interactive Game Station Showcasing the History of Computer Games, **CHI 2020 Extended Abstracts**

Patrick Reipschläger, **Severin Engert**, and Raimund Dachsel  
Augmented Displays: Seamlessly Extending Interactive Surfaces With Head-Mounted Augmented Reality, **CHI 2020 Extended Abstracts**

## ACHIEVEMENTS AND AWARDS

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- Enno Heidebroeck Award of the Technische Universität Dresden (top 2% of graduates in engineering)
- Student Game Competition Finalist (CHI 2020)
- Award at the Deutscher Multimediapreis mb21 (2019)
- Star Prize "Medienmacher" at the Visionale Leipzig (2019)