



Keynote - Virtual Humans for the Web and Beyond

Arno Hartholt

Expert in virtual humans and video game development

Arno Hartholt studied computer science at the University of Twente in the Netherlands where he earned both bachelor's and master's degrees. He was one of a select few to receive a prestigious Fortis IT Student scholarship. He first came into contact with ICT in 2003 as part of his computer science internship program, resulting in a paper presented at the Workshop on Affective Dialogue Systems in Germany, 2004. After graduating, Hartholt worked as a project coordinator at the quickly expanding Sqills IT Revolutions. There, he led a team of designers and programmers, developing an online self-service ticketing system for the Dutch and Belgian International Railway Companies. Hartholt returned to a life of science when accepting a position at ICT in late 2005. As one of the main integration software engineers within the virtual humans project, Hartholt developed a variety of technologies, with a focus on task modeling, natural language processing and knowledge representation.

Expertise

- virtual human research and technology
- virtual characters
- artificial intelligence
- game development
- advanced user interfaces
- natural language understanding and generation

Additional Information

- Project Leader, Integrated Virtual Humans group
- Project Leader, Institute for Creative Technologies Art Group
- Earned bachelor's and master's degrees in computer science at University of Twente in the Netherlands
- Received Fortis IT Student scholarship