Resumé

Contact information

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Work experience

2006   **Aalborg University Copenhagen (AAUK), Student helper**

Responsibilities
- Establishment of a Visualization Lab for coming projects
- Buying and setup of hardware
- Building and installation of different 3D displays
- Getting quotes for material selection
- Motion capture equipment setup

Results
- AAUK got a local visualization laboratorium that students could use
- Future students will experience a shorter path from development to testing of projects

2006   **Brother, Brother & Sons ApS, Hired for the project**

The project was to make an online user interace for controlling/programming light on Energi Randers' chimney.

Responsibilities
- 3D modeling of Energi Randers' thermal power plant
- Texturing of the 3D model
- Design of user interface

Results
- A realistic model of the power plant was created
- The project was one of the first where users could control/program DMX lights
- Project was shown on TV2 lokal tv station
- From April 2nd 2007 the lights have been installed permanently

Qualifications

3D Stereoscopy / Displays
- Solid pratical experience with 3D stereoscopy, both active and passive stereo
- Practical experience with different display technologies
- Theoretical insight into stereoscopy and its side effects

Digital Image Processing (DIP)
- Experience with computer vision and camera calibration
- Knowledge and practical experience with filters

Computergames/ Interactive Installations
- Practical experience med 2D / 3D spiludvikling
- 2D / 3D drawing, modeling and texturing of 3D
- Physics implementation
- Converstion of DIP data for use in interactive installations

Education

2004 – 2006   **M.Sc. Medialogy, Aalborg University Copenhagen**

Completed the following courses
- Virtual reality design
- Virtual reality instruments
- Narrativ in VR systems
- Motion Capture
- Cross-modal perception
- Cross-modal processering
- Creative programming
- Digital cultur
- Embedded interfaces

> **Medialogi:** A new education at Aalborg University Copenhagen, which was startet in 2002. The purpose was an interdisciplinary approch combing creativity and technology.
>
> The education takes into account thei study of human and computer perception, special effects, animation, computer games and computer science.

Projects
- **VR and Games: The Jedi Training Remote**
  A VR system and a VR game was developed. In comparison to other solutions, the VR system was cheap and modular
- **The Content Problem**
  Projektet beskrev problemet med at computerspil får mere indhold, hvilket medfører øget pres på tidsplanen bag spilprojektet
- **Centering Responsive Navigation Based on Motion Energy**
  A system for a robot was developed, adopting the visual system of a fly

Thesis
- **Markerless 3D Interaction on a Workbench Display**
  The interactive table displays stereoscopic images and a tracking system was developed allowing for interaction with virtual objects

2002 – 2004   **B.Sc. Medialogy, Aalborg University Copenhagen**

Completed the following courses
- Computer games and immersive technologies
- Interactive systems
- Animation and visual effects
- Interface design and sound effects
- Human perception - Digital perception

Projects
- **The Viking Story**
  Computer animated short film done in Alias Maya
- **Digital Painter**
  A system was developed making it possible to paint by waving your hands in front of a camera. The system tracked the hands.

Bachelor Project
- **Trophy Hunter 3D**
  Computer game developed in Java 3D

2000 – 2002   **Multimedia Designer, Copenhagens Technical School (KTS)**

1997 – 2000   **HTX, Technical Highschool**

Scientific paper

2006   Livatino, S, Agerbech, V, Johansen, B, **Johansen, A.** Designing a virtual Reality Game for the CAVE. Proc. 4th Eurographics IC, Catania, Italy, 2006

I presented the paper and a poster at the conference in Italy.

Part time employment while studying

2005 - 2006	Built R&D laboratories for Aalborg University Copenhagen
2000 - 2006	Designed varoius company websites
1997 - 2006	Post Danmark, mail distribution every saturday

References

References and certificates are available on request