

BA TU TRUONG | RESUME

WORKING EXPERIENCE

- 04/2004–Now Curtin University of Technology Perth, WA
- Research Fellow
 - Department of Computing
 - Develop algorithms and techniques for multimedia content analysis, content creation and large scale surveillance system.
- 2001 Curtin Business School
- Tutor*
- Tutor System Development 501, especially in the area of structured information system development as well as helping students developing VBA, Excel, VBScript and JavaScript programming skills
- 2000 Private employment
- Programmer*
- Work as a web programmer developing Web Interface using ASP and VBScripting.
- 1998 School of Bio-Medical Science, Curtin University of Technology
- Programmer*
- Convert a Pascal/Basic population genetics software package into C and provide a Web Interface.
- 1998 School of Computing, Curtin University
- Programmer*
- Develop a some Java tools for information retrieval and indexing.

EDUCATION

- 2000–2004 Curtin University of Technology Perth, WA
- PHD, Computing
 - Thesis in the area of Computational Media Aesthetics and multimedia content management
 - Thesis Title: “An Investigation into Structural and Expressive Elements in Film”
- 1996-2000 Curtin University of Technology Perth, WA
- Bachelor of Science (Computer Science) (Honours)*
- Graduated with First Class Honours.
 - Honour thesis in the area of video segmentation and genre recognition
 - Thesis Title: “Shot Transition Detection and Genre Identification for Video Indexing and Retrieval”
 - Completed the full 4-year course in 3 and ½ years with avg. score of 86.8%.
 - Admitted to Vice Chancellor’s List two times (the List is a group consisting of the top 1% of undergraduate students of the university by exam results, across all areas and levels of study).

SKILLS

Computing Skills

- Fluent in C/C++.
- Familiar with MS-DOS, Windows 95/NT/XP, UNIX/LINUX, X-windows operating systems.
- Good knowledge of Web Design and Web Programming.
- Have developed software in Fortran, Pascal, Visual Basic, ASP/CGI, Java, Perl, SQL.
- Competent in developing graphical solutions with Microsoft Visio.
- Fluent in the use of Latex type setting language.

Research Skills

- Successfully completed an Honours level research
- Successfully completed a PhD research

Communication Skills

- Achieved an IELTS score of 6.5 when beginning study in Australia
- Prepared a wide range of reports, essays and theses during my undergraduate and postgraduate studies.
- Prepared several papers for various International Conferences and Journals (see the publication list).

AWARDS & HONOURS

- 2000 Recipient of *Curtin International Student Scholarship* (100%) covering a 4-year course for a degree of Doctor of Philosophy.
- 1999 Teravision award for Best Honours Student.
- 1999 Receipt of School of Computing Scholarship for Honours Studies.
- 1997 Vice-Chancellor's List Member of Curtin University (Semester 2) – top 1%.
- 1997 Vice-Chancellor's List Member of Curtin University (Semester 1) – top 1%.
- 1996 Recipient of AusAid undergraduate scholarship for outstanding students in Vietnam.
- 1994 Third Prize in the Vietnamese National Mathematics Competition (high school level)
- 1993 The Vietnamese Young Talent Award.
- 1993 Silver Medal in the 34th International Mathematics Olympiad (IMO34), Istanbul, Turkey.
- 1993 Second Prize in the Vietnamese National Mathematics Competition (high school level) .
- 1990 Fourth Prize in the Vietnamese National Mathematics Competition (secondary school level).

PUBLICATIONS

1. Ba Tu Truong, Venkatesh S. and Dorai, C. "Improved Cut, Fade and Dissolve Detection for Video Segmentation", *ICIP'2000*, Barcelona, 2000.
2. Ba Tu Truong, Venkatesh S. and Dorai C. "Automatic Genre Identification for Content-Based Video Categorization", *ICPR'2000*, Barcelona, 2000
3. Ba Tu Truong, Venkatesh S. and Dorai, C. "New Enhancements to Cut, Fade and Dissolve Detection", *ACMMM'00*, 2000.
4. Ba Tu Truong and Svetha Venkatesh. "Determining Dramatic Intensification via Flashing Lights", *IEEE Internal Conference of Multimedia and Expo (ICME'01)*, Tokyo, 2001.
5. Ba Tu Truong and Svetha Venkatesh and Chitra Dorai. "Application of Computational Media Aesthetics Methodology to Extracting Color Semantics in Film", *ACMMM'2002*, 2002
6. Ba Tu Truong and Svetha Venkatesh and Chitra Dorai. "Neighbourhood Coherence and Edge Based Approach for Scene Extraction in Films", *ICPR'2002*, Quebec, 2002
7. Ba Tu Truong and Svetha Venkatesh and Chitra Dorai. "Film Grammar Based Refinements to Extracting Scenes in Motion Pictures", *ICME' 2002*, 2002
8. Ba Tu Truong and Svetha Venkatesh and Chitra Dorai. "Identification Of Film Takes For Cinematic Analysis", *IEEE Internal Conference of Multimedia and Expo (ICME'03)*, 2003
9. Ba Tu Truong and Svetha Venkatesh and Chitra Dorai. "Discovering Semantics from the Visualization of Film Takes", *IEEE Multimedia Modeling Conference*. Jan 5-7, 2004.
10. Ba Tu Truong and Svetha Venkatesh and Chitra Dorai. "Semantic Explicit Representation of Editing Patterns in Film", Submitted to *IEEE Transactions on Circuit and System for Video Technology: Special Issue*. 13(1), p5-15. 2003.
11. Ba Tu Truong and Svetha Venkatesh and Chitra Dorai. "Identification Of Film Takes For Cinematic Analysis", *Multimedia Tools and Application*. 26 (3), p 277-298, 2005.
12. Ba Tu Truong and Svetha Venkatesh. "Finding Optimal Segmentation of Video Sequences", *IEEE Internal Conference of Multimedia and Expo (ICME'05)*. July 5-7, Amsterdam, 2005.

REFEREES

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