Neslisah Torosdagli

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Education

Ph.D. University of Central Florida, Computer Science Division (Current GPA: 4.00/4.00), candidacy completed, degree expected in June 2018.

MS. University of Central Florida, Computer Science Division (CGPA: 4.00/4.00), 2016.

MS. Middle East Technical University, Department of Computer Engineering (3.71/4.00), 2000,
Thesis Title: "A new file format for content-based coding of images".

BS. Middle East Technical University, Department of Computer Engineering (3.53/4.00), 1997.

Experience

- Software Engineering Intern, Apple, Orlando, FL — Summer 2017
- Graduate Teaching Associate, Department of Computer Science, UCF — Fall 2016
  - CAP 4720 Computer Graphics
- Software Engineering Intern, Electronic Arts, Orlando, FL — Summer 2016
- Graduate Research Assistant, Department of Computer Science, UCF, — 2015
  - Web-based Interactive Real-time Volume Renderer (http://graphics.cs.ucf.edu/tools/VOLREN/).
- Graduate Teaching Assistant, Department of Computer Science, UCF, — 2014
- Mobile Developer, InGeniusLabs, Australia, Home Office, — 2013
- Mobile Game Developer, DartFrog Games, US, Home Office, — 2012
- Mobile Developer, DxWave, UK, Ankara Office, — 2011- 2012
  - Web page usability analysis, usability heat-map for iPhone/iPad,
  - Middle East Technical University (METU) classroom search Augmented Reality iPhone application,
- Part-time Instructor, METU, C Programming Language, — 2006-2007
- Part-time Instructor, Baskent University, Programming Languages, — 2006
- Lead Software Engineer, Milsoft, Ankara, — 2000-2006
  - Lead Software Engineer, Turkish UAV Transportable Image Exploitation System & Remote Imaging Terminal,
    - Analysis/Design/Development of UAV Image Exploitation System Requirements,
  - Software Engineer, S-92 Helicopter Maintenance Data Computer,
    - Development and verification of Sikorsky S-92 Helicopter MDC (Maintenance Data Computer) DO178-B Level C software,
- Graduate Teaching Assistant, MS Student, METU, — 1998-2000

Publications/Presentations

- "**Robust and Fully Automated Segmentation of Mandible from CT Scans**", Neslisah Torosdagli, Denise Liberton, Payal Verma, Murat Sincan, Janice Lee, Sumantha Pattanaik, Ulas Bagci. **IEEE ISBI 2017**, Sydney, Australia, 2017. [PDF] [PPT]

  [ISBI 2017 Travel Award Recipient]
- **"A theorem proving approach for automatically synthesizing visualizations of flow cytometry data"**, Raj, Sunny, Faraz Hussain, Zubir Husein, Neslisah Torosdagli, Damla Turgut, Narsingh Deo, Sumanta Pattanaik, Chung-Che Jeff Chang, and Sumit Kumar Jha. BMC bioinformatics 18, no. 8 (2017): 245.
- "**Interactive Out-of-Core Volume Rendering**", Neslisah Torosdagli, Sumanta Pattanaik, Curtis Lisle, Yanling Liu, **UCF-Mayo Clinic Mini Symposium, 2017**. [PDF]
- "**Parallel Out-of-Core Medical Volume Segmentation**", Neslisah Torosdagli, Sumanta Pattanaik, Ulas Bagci, **Grad Cohort Workshop 2017**. [PDF]
- "**Robust and Fully Automated Segmentation of Mandible from CT Scans**", Neslisah Torosdagli, Denise K. Liberton, Payal Verma, Murat Sincan, Janice Lee, Sumanta Pattanaik, Ulas Bagci, **UCF Research Week 2017**. [PDF]
- "SANJAY: Synthesizing Visualizations of Flow Cytometry Data using Symbolic Decision Procedures," Faraz Hussain, Neslisah Torosdagli, Sumanta Pattanaik, Narsingh Deo, Sumit Kumar Jha , and Chung-Che Jeff Chang , 5th **IEEE International Conference on Computational Advances in Bio and Medical Sciences (ICCABS)** October 15-17, 2015, Miami, FL, USA.
- "Web based Out-of-Core Volume Visualization in Client-Server Architectures," Neslisah Torosdagli, Sumanta Pattanaik, Curtis Lisle, Yanling Liu, **BioImage Informatics Conference 2015**, October 14- 16, Gaithersburg, MD, USA.
- "Web-based Interactive Real-Time Volume Rendering", Neslisah Torosdagli, Sumanta Pattanaik, Curtis Lisle, 6th **International meeting on Visualizing Biological Data (VIZBI 2015)**, ENBO & NIH Conference series, March 25-27, Cambridge MA, USA.
- "Matching algorithm based on Godel coding scheme", Neslisah Dicle and Volkan Atalay, Proc. **SPIE**, vol. 3974, pp. 576-583, **2000**.
- "**Arbitrarily Sized Still Image Compression with S+P Wavelet Scheme**", Neslisah Dicle, Fatos Yarman Vural, in **ISCIS 2000**.

Software and Hardware Skills

- Programming Languages: Proficient in: C, C++, OpenGL, OpenCL, WebGL, Objective C, C#, Java, Javascript, Matlab, ADA, R, Intel 8085/86 Assembly Programming.
- IDEs: XCode, NetBeans, Eclipse, Visual Studio.
- OS: MAC OS, Linux, Windows 9/2000/XP.

Honors

- Anita Borg Institute • Grace Hopper • Celebration of Women in Computing 2017 Scholarship Recipient,
- IEEE International Symposium on Biomedical Imaging 2017 Travel Award Recipient,
- Graduated from BS with second highest rank award,

References

Will be provided upon request.