

Neslisah Torosdagli

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Education

- Ph.D. **University of Central Florida, Computer Science Division** (Current GPA: 4.00/4.00), Summer 2018
Dissertation : "Quantitative Visualization of Craniofacial Medical Data"
- 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
Rank : 2 / 80

Industrial Experience

- Software Engineering Intern, **Apple**, Orlando, FL Summer 2017
 - Current test infrastructure optimization in **python**
 - Development of test framework for future test cases in **C++**
 - Development of test cases for the new GPU features in **C++**
- Software Engineering Intern, **Electronic Arts**, Orlando, FL Summer 2016
 - Development of Parallax-Occlusion Mapping algorithm in **DirectX**
- Mobile Developer, **DxWave, UK**, Ankara Office 2011-2012
 - Web page usability analysis, usability heat-map generation in **Objective C**
 - Middle East Technical University IOS AR classroom search application in **Objective C**
- Lead Software Engineer, **Milsoft**, Ankara, 2001-2006
 - Turkish UAV Transportable Image Exploitation System & Remote Imaging Terminal, Analysis, Design, and Development of UAV Image Exploitation System Requirements
 - S-92 Helicopter Maintenance Data Computer, Development and verification of Sikorsky S-92 Helicopter MDC (Maintenance Data Computer) **DO178-B Level C** software using **Ada** and **AdaTest**

Academic Experience

- Graduate Teaching Associate, Department of Computer Science, UCF
 - CAP 3330 Object Oriented Programming Fall 2017
 - Taught **Java** and **OO Paradigm** to 250 students
 - Prepared 3 exams, and 8 programming assignments
 - CAP 4720 Computer Graphics Fall 2016
 - Taught introductory level **Computer Graphics** using **WebGL** and **Javascript** to 55 students,
 - Prepared 8 exams, and 5 programming assignments
- Graduate Research Assistant, Department of Computer Science, UCF
- Development of Web-based Interactive Real-time Volume Renderer
 - Using **C++**, **OpenGL**, **Javascript**, **WebGL**, **HTML**, **CSS**, and **boost** and **ITK** libraries
- Instructor, METU, **C** Programming Language 2007
- Instructor, Baskent University, Programming Languages and **C++** using Visual Studio 2006

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Programming Languages

- C, C++, OpenGL, OpenCL, WebGL, Objective C, Java, Javascript, Matlab, Python, ADA, R, Intel 8085/86 Assembly Programming

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]**
- **"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**. [\[PDF\]](#)
- **"Web based Out-of-Core Volume Visualization in Client-Server Architectures"**, Neslisah Torosdagli, Sumanta Pattanaik, Curtis Lisle, Yanling Liu, **Biolmage 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.

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.