

ANDREW H. MAXIM

andrewmaxim.com • amaxim@ufl.edu

EDUCATION

University of Florida, Gainesville, FL *Aug 2020 - Present*
Doctor of Philosophy, Human Centered Computing Cumulative GPA: 3.80/4.00
Department of Computer and Information Science and Engineering

Iowa State University, Ames, IA *Aug 2013 - Dec 2017*
Master of Engineering, Systems Engineering Cumulative GPA: 3.77/4.00
Department of Industrial and Manufacturing Systems Engineering

Excelsior College, Albany, NY *Jan 2005 - Nov 2008*
Bachelor of Science, Management Information Systems Cumulative GPA: 3.73/4.00

HONORS AND AWARDS

T32 Fellowship, National Institutes of Health (NIH) *2021-2023*
Team-based Interdisciplinary Cancer Research Training (TICaRT)
A comprehensive training program focused on fostering interdisciplinary collaboration and innovative approaches to cancer research, drawing on expertise from various fields, including human-centered computing, biology, and data analytics.

Graduate School Preeminence Award, University of Florida *2020-2025*
A prestigious award recognizing outstanding academic achievements and research potential among graduate students at the University of Florida.

Generation Next (GenNEXT) Scholar, University of Florida *2020-2025*
An NSF-funded multifaceted cohort-based support system to support PhD students in the Computer and Information Science and Engineering (CISE) Department at the University of Florida.

PUBLICATIONS

Refereed Conference Proceedings

[2] **Maxim, A.**, Zalake, M., & Lok, B. (2023). The Impact of Virtual Human Vocal Personality on Establishing Rapport: A Study on Promoting Mental Wellness Through Extroversion and Vocalics. In *Proceedings of the 23rd ACM International Conference on Intelligent Virtual Agents (IVA '23)*. Association for

Computing Machinery, New York, NY, USA. Article 23, 1–8.
<https://doi.org/10.1145/3570945.3607318>

- [1] You, C., Ghosh, R., **Maxim, A.**, Stuart, J., Cooks, E., & Lok, B. (2022, September). How does a virtual human earn your trust? Guidelines to improve willingness to self-disclose to intelligent virtual agents. In *Proceedings of the 22nd ACM International Conference on Intelligent Virtual Agents (IVA '22)*. Association for Computing Machinery, New York, NY, USA, Article 9, 1–8.
<https://doi.org/10.1145/3514197.3549686>

Abstracts/Posters

- [5] de Siqueira, A.G., Feijóo-García, P., Carnell, S., Palmeira, E., and **Maxim, A.** (2022) "fableBlocks: Toward Mitigating Programming Anxiety with Storytelling-based Tangible Block Programming Environments," *2022 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)*, Roma, Italy, 2022, pp. 1-4, doi: 10.1109/VL/HCC53370.2022.9833102.
- [4] Cooks, E., Vilaro, M., **Maxim, A.**, Tang, K., Wang, S., Lok, B., Sattari, M., Wilson-Howard, D., Krieger, J. (2022). Deploying virtual clinicians to reduce racial disparities in young-onset colorectal cancer: Experiences of Black adults with a culturally-tailored telehealth intervention. Poster accepted for presentation at the 46th annual meeting of the American Society of Preventive Oncology (ASPO). Tucson, AZ. March.
- [3] **Maxim, A.** (2022, March). [DC] Improving Presence of Virtual Humans through Paralinguistics. In *2022 IEEE Conference on Virtual Reality and 3D User Interfaces (VR)* (pp. 954-955). IEEE.
- [2] Cooks, E., Tang, K., Wang, S., Davis, A., Martin, J., Sattari, M., Lok, B., Wilson-Howard, D., **Maxim, A.**, Krieger, J. (2021). Extending the use of a virtual technology intervention to deliver colorectal cancer information to a younger cohort: the case of newly screening-eligible young Black adults. Presented at the annual UF Health Cancer Center Research Symposium. Virtual. December.
- [1] **Maxim, A.**, Cooks, E., Lok, B. (2021). Expressing confidence portrayed by a virtual agent with a computer-generated voice through altering of speech characteristics. Presented at annual UF Health Cancer Center Research Symposium. Virtual. December.

RESEARCH EXPERIENCE

Virtual Experiences Research Group
Research Assistant

Aug 2020 – Present

TEACHING EXPERIENCE

User Experience Design, University of Florida
Teaching Assistant

Aug 2023 – Dec 2023

Human Centered Computing, University of Florida
Guest Lecturer

Jul 2023

PROFESSIONAL EXPERIENCE

Sea Grant, Gainesville, FL

Jun 2021 – Dec 2021

Worked as part of an interdisciplinary team to develop a NOAA sponsored training system to educate reef anglers on identifying and treating barotrauma in deep water fish.

Intelident Solutions, Tampa, FL
Information Security Consultant

Aug 2020 – Nov 2023

- Managed company technical growth initiatives.
- Maintained technology infrastructure in accordance with regulations and company policy.

Manager of IT Infrastructure and Support

Apr 2017 – Jul 2020

- Responsible for technology infrastructure and support operations across 170 locations.
- Oversaw technical projects in alignment with organizational goals.
- Worked closely with management, external vendors, and advisors to find solutions to manage business activities.

Sun Dental Labs, St Petersburg, FL
Vice President Information Technologies

Jan 2011 – Aug 2016

Consultant, St Petersburg, FL
Information Systems Analyst

Jan 2008 – Jan 2011

Premier Mortgage Funding, Clearwater, FL
Network Manager

Jan 2005 – Jan 2008

R'Club Child Care, St Petersburg, FL
Information Systems Director

Oct 2001 – Dec 2004

Sagent Technologies, Clearwater, FL
Senior Network Engineer

Oct 2000 – Oct 2001

US Salt, LLC, Jacksonville, FL
Infrastructure Architect

Apr 1999 – July 2000

Storcomm, Jacksonville, FL
Systems Engineer

Jan 1998 – Apr 1999

Prudential Healthcare/Compucom, Jacksonville, FL
Network Engineer

Feb 1997 – Jan 1998

SERVICE TO DISCIPLINE

Presentations and Talks

Invited Speaker, Virtual Human Customization, UF Cancer Research Symposium for High School Students (2023)

Invited Speaker, Tailored telehealth intervention delivered by virtual humans to increase colorectal cancer screening among black adults, UF Cancer Research Conference for Science Teachers (2022)

Invited Speaker, Using virtual technology to deliver culturally appropriate cancer prevention messaging, NRG Oncology Semiannual Meeting (2022)

Journal and Conference Reviews

- Frontiers In Virtual Reality (2023)
- ISMAR (2023)
- IEEEVR (2022)

ADDITIONAL ACTIVITIES

Proverbs, LLC, St Petersburg, FL
Founder

Apr 2016 – Present

- Founder and developer of a video game publishing company that utilizes novel approaches to open game play to a broader audience.