London Thompson

london.thompson@ufl.edu | Gainesville, FL | www.linkedin.com/in/london-thompson-44b87716b

Core Competencies

Software Development	**Cyber Threat Hunting**	**Human-Computer Interaction**
User Experience Evaluation	User-Centered Design	Culturally-Relevant Computing
Collaboration and Communication	**Accessibility**	**Ethical Considerations**
Information Visualization	Prototyping and Iterative Design	
Cyber Threat Modeling		

Technical Skills

Programming Languages:	C, C++, Python, and Java
Software Development:	PyCharm and Eclipse
Microcontrollers:	Raspberry Pi and Arduino
Software Ideologies:	Agile, Experience-Driven Development (EDD), Human-Centered Artificial Intelligence, and Lean UX
Version Control:	Git, GitLab
Security Concepts:	Authentication, firewalls
Security Tools:	Wireshark, Nmap, and OpenVAS
Database:	MySQL, MongoDB, and S3

Professional Experience

Project Intern   May 2021–Present

Pacific Northwest National Laboratory, Richland, WA

- Developed threat models and statistical summaries to help recommend resources for the US (United States) Customs and Border Protection
- Led design and development of sustainability planning tool for the National Nuclear Security Administration
- Conducted product testing of the Airport Risk Assessment model provided to the Transportation Security Administration
- Supported cybersecurity related research, testing various cyber-attacks against simulated biotech equipment.

Research Scientist

University of Florida: Computing for Social Good Lab, Gainesville, Fl   May 2021–Present

- Contributed to the development of a voter verification system leveraging facial recognition technology, aimed at ensuring equal access to voting for all eligible voters.
- Utilized a variety of experimental techniques and statistical methods to collect and analyze data, resulting in valuable insights and contributions to peer-reviewed publications.

- Led in mentoring and guiding undergraduate students as a Teaching Assistant, offering tailored support and cultivating a collaborative learning atmosphere to enhance student achievement.

Research Associate

Claflin University, Orangeburg, SC   May 2020–Present

- Developed a simulator to assess African American risk factors for dementia:
- Dementia disproportionately affects African American communities, yet there is a lack of culturally sensitive tools to assess risk factors specific to this population; By developing a simulator tailored to the unique needs and experiences of African Americans, we can better understand and address the underlying factors contributing to dementia risk, ultimately improving diagnostic accuracy, intervention strategies, and healthcare outcomes for this demographic.
- Received comprehensive training in conducting thorough literature reviews and proficiently searching for information across various databases and academic sources.

Research Fellow

University of South Carolina, Columbia, SC   May 2019–August 2021

- Evaluated aspects of privacy and security for telehealth devices. (Location-based mapping and access control)
- Engaged in an interdisciplinary research program aimed at bridging technology and social gerontology to develop innovative services, products, and environments that promote aging in place for older adults.
- Contributed to projects focused on enhancing the quality of life for seniors by integrating technological solutions with social and environmental factors to support independent living within their homes and communities.
- Developed a strong foundation in scientific methodologies and gained valuable insights into the challenges and opportunities associated with aging research.

Education

University of Florida   Gainesville, FL

Doctor of Philosophy: Human-Centered Computing (Anticipated 2026)

Claflin University   Orangeburg, SC

Bachelor of Science: Computer Engineering (2021)