

CLEMENT ABAI

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EDUCATION

Doctor of Philosophy in Education May 2024 Oklahoma State University – *Stillwater, Oklahoma*
Concentration: Learning, Design and Technology

Master of Science in Educational Technology July 2018 Oklahoma State University – *Stillwater, Oklahoma*

Bachelor of Arts in Information Technology December 2004 Tulane University – *New Orleans, Louisiana*
Minor: Web Development

**Dissertation: The Impact of Design-Based Process on Engagement and Participation in Virtual Reality Learning Spaces*

SKILLS

Group and Individual

- Teamwork: Group collaboration, leadership & service
- Design: Research a problem, design & implement interventions, evaluate & reflect on the design
- Research: Literature review, document analysis, focus group facilitation, survey design, & interviews
- Web Design: Design, development, & maintenance of websites
- Technical: Software & hardware installing, troubleshooting, & maintenance

Software and Hardware

- Data Analysis: SPSS, NVivo
- MS Office Products: Word, Excel, PowerPoint, Access, & Outlook
- Web-based cloud tools: Google Suite, Microsoft 365, Dropbox
- CMS: WordPress, Joomla, Drupal, & Google Sites
- Course development experiences: Articulate, Canvas, Moodle, Google Suite, & Blackboard LMS
- Design programs experience: Canva, Adobe Express, Photoshop, Illustrator, Flash
- Screen Capture Software: Camtasia, Captivate, Jing
- Extended Reality (XR) platforms: Mozilla Hubs, ZapWorks Studio, Meta Sparks Studio, Jig Space
- Programming experiences: HTML, CSS, TypeScript, JavaScript, Visual Basic, SQL, MySQL
- Web Servers: MS IIS, Apache Web Server,
- Assistive Technology: Dragon, EasyReader, JAWS, MAGic, OpenBook, WYNN, Read&Write
- OS and Servers: Windows Servers, Windows & MacOS
- Networking: DNS, DHCP, LAN, WAN, MS Active Directory
- Security: McAfee, Microsoft, and Norton Antivirus
- Others: HiSoftware, c.Support Help Desk Ticketing System, Ghost Imaging Software, Pharos Print Control & Management System

PROFESSIONAL TRAINING AND DEVELOPMENT

Dolphin USA, Freedom Scientific and Nanopac Inc. Trainings, Oklahoma City, OK

Apple Accessibility, Oklahoma ABLE Tech, HiSoftware, Nuance and TextHelp Trainings, Stillwater, OK

WebAIM Web Accessibility Training, Oklahoma City, OK

EXPERIENCE

OKLAHOMA STATE UNIVERSITY COLLEGE OF EDUCATION, Stillwater, OK

Graduate Research Associate (August 01, 2020 - Present)

Integral member of the Spotty Rain Campaign (SRC) team, I took the lead in an NSF funded project, designing, and developing a virtual reality learning environment called the Virtual Citizen Science Expo (VCSE) and creating augmented reality elements for the backyard explorer (BYE) program logbooks challenge for the Southeast Oklahoma Library Systems as part of the Spotty Rain Campaign Project. SRC is a project that focuses on the design, development, and evaluation of informal science education (ISE) programs and educational media for use in rural libraries in drought prone areas of the Great Plains. My primary responsibilities included, researching, and designing of the VCSE, creating augmented elements for the BYE program logbook challenge, collecting, analysing, and reporting the data, presenting the at various conferences and collaborating with our (SRC team) partners and the evaluation team.

OKLAHOMA STATE UNIVERSITY STUDENT DISABILITY SERVICES, Stillwater, OK

Assistive Technology Specialist/Web Developer (August 01, 2007 - May 31, 2013)

Responsible for coordinating the electronic and information technology access needs on the OSU Stillwater campus and within the OSU/A&M System (Tulsa, Oklahoma City and Okmulgee campuses). This includes support and training, technical expertise, implementation and coordination of Assistive Technology hardware and software, coordination of media captioning and Real-Time captioning, Video Phones installation; creating installation guides, documentation of problems and solutions, researching new technologies, coordination of the university's web content accessibility that includes analyzing and reporting web accessibility issues to web administrators, advising computer lab managers, server administrators and users on ongoing Assistive Technology maintenance and update needs; providing awareness, marketing and outreach through the Assistive Technology and Accessibility website, updating and maintaining the departmental website, email lists and printed media, maintaining service contracts and warranties, assessing annual needs and the budget of the university's Assistive Technology.

TULANE UNIVERSITY RUDOLPH MATAS LIBRARY OF HEALTH SCIENCES, New Orleans, LA

Data Communication Technician/Web Developer (August 02, 2004 - May 31, 2005)

Provided technical support and maintained the library's website. This included installing, troubleshooting, maintaining and updating the library's hardware and software; configuring wireless laptops and devices as well as providing services for the students, staff and faculty members of the medical school; performing daily tape back-ups; coordinating emails for the students, staff and faculty members; filing and entering patron's information into the library's database system; developing, maintaining and updating the content of library's website and performing various circulation duties.

TULANE UNIVERSITY HOWARD-TILTON MEMORIAL LIBRARY, New Orleans, LA

Microsystem Analyst Assistant (May 02, 2002 – July 30, 2004)

Provided technical support to the library's computerized system. This included installing, troubleshooting, and maintaining the laptops and desktops in the library, updating, configuring, and customizing public and staff computers, creating, and cloning images, configuring wireless laptops and devices, carrying out research on potential library software, creating installation guides, documenting problems and solutions, calling vendors and service technicians for technical support, installing patches, running updates, and backing up data.

TULANE UNIVERSITY PAYSON CENTER, New Orleans, LA

Information Technology Assistant (May 30, 2004 – July 30, 2004)

Responsible for configuring, customizing, and distributing the desktops and laptops for various Payson Center locations in the US, Africa, and South America. Additionally, my duties included installing, troubleshooting, maintaining, and updating the departmental hardware and software, providing technical support to the students, staff, and faculty members of the department, setting up the video conferencing system, entering hardware and software information into the inventory database, performing daily tape back-ups, and creating special purpose CD's.

MISCELLANEOUS

Phi Beta Delta Honour Society (2020-Present)

Youth Soccer Coach, Stillwater Soccer Club (2016-Present)

Web Developer, Stillwater High School Soccer (2016 -2018)

Volunteer Web Administrator, Stillwater Soccer Club (2013-2018)

Volunteer Robotics Educator, Oklahoma State University Family Resource Center (2017)

Volunteer Worker, Habitat for Humanity (2016)

Athletic Scholarship (2000-2004)