

Savannah Obregon

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EXPERIENCE

Vanderbilt University Medical Center, Nashville, TN — *Application Developer*

June 2021 - PRESENT

- Independently secured over \$500,000 in funding for major projects including the Emerging Infections Program "RESP-NET on FHIR" pilot project with the Centers for Disease Control and Prevention (CDC), the International epidemiology Databases to Evaluate AIDS (IeDEA) consortium, and the No More Food Insecurity (NOMOREFI) project, showcasing exceptional project management and funding acquisition skills.
- Develop and contribute to the open-source *redcapAPI* R package, presenting it at the R Medicine conference in 2023 and 2024, which attracted new users nationally and globally, facilitating seamless integration with the Research Electronic Data Capture (REDCap) system for enhanced data processing and analysis in clinical research projects.
- Delivered multiple presentations on redcapAPI and Git to biostatisticians and developers, teaching best security and coding practices and enhancing departmental collaboration.
- Engineered a backup randomization application leveraging Ruby on Rails and SQL to effectively manage server failures and automate participant randomization for clinical trials, ensuring seamless and reliable operations.
- Create reproducible reports with R and Quarto by proficiently extracting data from Electronic Data Capture (EDC) systems for insightful and consistent analyses.
- Specialize in developing custom dashboards and applications using JavaScript and CSS to visualize participant and clinical trial data, and manage online databases and surveys with tight HIPAA controls for secure information access.

Lifeway Christian Resources, Nashville, TN — *Web Developer*

September 2019 - May 2021

- Slashed production times by developing tools and scripts using NodeJS to apply mark-up coding languages to content production files while ensuring scripts and code meet quality standards
- Optimized AWS cloud computing capabilities to efficiently administer user access through IAM, ensuring secure storage of large files with S3.
- Worked with eBook developers, metadata specialists and publishing staff in troubleshooting content, workflow and digital content best coding practices.
- Updated, improved and maintained team documentation website using content management system using Markdown, GitHub and Netlify CMS.

Lipscomb University Office of Admissions, Nashville, TN — *International Student Recruiter*

August 2016 - May 2019

- Participated in student recruitment efforts across diverse Latin American and Caribbean nations, including Bolivia, Mexico, The Bahamas, Peru, Argentina, Honduras, Trinidad and Tobago.
- Established effective communication channels, engaging with over 100 international candidates annually
- Communicated with recruiters to discuss recruitment goals
- Collaborated seamlessly with the admissions team, actively participating in discussions to align recruitment strategies with organizational goals. Coordinated and executed events tailored to engage potential students, contributing to the university's international outreach and enrollment initiatives.

EDUCATION

Bachelor of Science — Lipscomb University, Nashville TN

August 2015 - May 2019

Major: Information Technology Management Minor: Business

Concentration: Web Development

PROFESSIONAL MEMBERSHIPS

HIMSS — Healthcare Information and Management Systems Society

ENAR — Eastern North American Region, International Biometric Society

WITT — Women in Technology of Tennessee

SKILLS

Collaboration tools including
GitHub, LucidChart, Jira, Trello.

Database management with SQL,
Electronic Data Capture (EDC), REDCap.

Programming in Python, Ruby on
Rails, JavaScript, NodeJS, Regex.

Web development with HTML,
CSS, XHTML, PHP, Bootstrap.

Data analysis and reporting with
R, Quarto, Markdown.

Machine Learning and Artificial
Intelligence (AI) with ChatGPT
(OpenAI), Conversational AI,
Language Model Implementation,
Fine-Tuning and Customization

Problem Solving

Proficient in Bootstrap, Microsoft
Office, Excel and PowerPoint.

AWARDS

All Bahamas Merit Scholarship

East Nassau Rotary Club
Foundation Scholarship

Honors College Council President

Intercultural Honors Society

Upsilon Pi Epsilon (UPI)
Intercultural Honor Society for the
Computing and Information
Disciplines

Lipscomb University Presidential
Ambassador Council

RELEVANT EXPERIENCE

Project Management

Object-Oriented Programming

Data Analysis and Reporting

Database Management

Electronic Data Capture (EDC)

Web Development