

# Alexander O'Connor

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## Experience

MBC Companies - McDonald, TN

**Software Engineer 3:** January 2023 - Current

- Improved multiple workflows by collaborating with users to reimagine key steps.
- Managed successful migration of core production server to cloud, including encapsulating server in Docker, creating endpoint testing to ensure no endpoints were broken, and authoring comprehensive migration documentation.
- Designed and implemented central certificate distribution infrastructure.
- Expand, maintain, and update websites, databases, and servers to assist the company in reaching its goals using Postgres, MySQL, Perl, Ruby, and the web stack.
- Expanded central logging infrastructure from environmental and technical sources.

Center for Innovation and Research in Computing - Collegedale, TN

**Computer Programmer:** June 2021 - December 2022

- Designed and implemented new features in software systems and applications as customers requested
- Update Android and iOS mobile applications to adhere to new API requirements
- Expanded unit, functional, and acceptance tests for innovative web collaboration platform
- Toolchains: GitLab , Cocoa / Objective-C / Java, PHP, JavaScript, and JQuery

Southern Adventist University - Collegedale, TN

**IT Technician:** July 2019 - May 2021

- Designed and deployed bootable USB images allowing for standard images and tools to be readily available for technicians traveling to customers
- Provided technical support for Windows, Mac, and Linux
- Assisted clients though Jitbit service management

## Certifications, Education, and Projects

**CompTIA**, Security+

**EC-Council**, Certified Ethical Hacker Master

**Southern Adventist University** - Collegedale, Tennessee

Bachelor of Science, Computer Science (Cybersecurity)

**PiEar**

- Created both a server application to stream audio and a mobile application to receive the stream
- Server toolchain: C++, Boost libraries, Portaudio
- Mobile application toolchain: C#, Xamarin, Android APIs

**Auto Myself**

- Mobile application (published to Google Play Store) to track vehicle maintenance
- Toolchain: React Native, Expo