

Andrew O'Connell

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EDUCATION

University of Illinois at Chicago (UIC)

Bachelor of Science, Computer Science

SKILLS

Languages: C#, Android Development, Java, C++, Javascript, HTML, CSS **Frameworks:**

Angular, React Native, BabylonJS, Selenium, Phaser **Databases:** MySQL, Firebase

PROJECTS

- Created a dating app using ASP.NET Core to write an API to handle all of the database maintenance and storage of user info, messages, photos, matches, etc. Utilizes Angular and Typescript to design the app and handle all user interaction, animation, and communication with the API. Hosted at <https://datingapptemp.fly.dev/>
- In concert with the client, developed from concept stage through to site launch and subsequent management of the ad campaign and total web presence for AI Waterworks, aiwaterworks.com
- Developed and published on Expo a job search mobile app built with React Native, integrating Redux and Firebase
- Designed a fully functioning retro arcade gaming machine and media player based on a Raspberry Pi 4
- Created an original web based 3D puzzle game using the Babylon.js 3D Engine
- Built a web based 2D arcade game using the Phaser game engine
- Wrote a multithreaded Java based online multiplayer Rock, Paper, Scissors, Lizard, Spock game

LEADERSHIP

Member, Chicago Engineering Design Team at UIC, Assisted in Battlebot structural and software conceptual design, Spring 2017 – Fall 2018

Volunteer Counselor, Muscular Dystrophy Association's Summer Camp, Summers 2010 – 2015 (Cabin Leader, summer 2014 and 2015)

WORK EXPERIENCE

Illinois Credit Union League – Naperville, IL

November 2021 – May 2022

Junior Software Developer: Wrote, analyzed, and edited existing codebase in order to ensure PCI compliance and protect client payment card information. Automated process of extracting system vulnerability data across a wide network of credit unions to ensure Service Level Agreements and healthy relationships between credit unions are maintained. In collaboration with the Marketing team, designed and built a website for a Social Media Blitz event with 10,000+ participants.

Ko-ze Wine Room – Glen Ellyn, IL

March 2021– May 2022

Bartender: Actively study and employ knowledge gained from the rotating list of 85+ wines. Coordinate private events. Track local bar and overall inventory of wine and dry goods.

Chicago Electrical Trauma Rehabilitation Institute – Chicago, IL

December 2019 – March 2020

Web Developer: Update and monitor website (cetri.org) to comply with current SEO standards, implementing such design changes as are desired.

Jefferson Tap & Grille – Chicago, IL

July 2018 – September 2019

Barback: Maintained and stocked the bar on an ongoing basis, received orders and coordinated with servers to efficiently manage delivering both food and beverages to customers. Worked in a group to ensure seamless service for large parties up to 150 people.

OTHER

References Furnished on Request