

Mostafa Sakr

Software Developer

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Skills

- Languages and Frameworks: Ruby | Ruby on Rails | HTML | CSS | SQL | ActiveRecord
- Technologies: Git/GitHub | Heroku | PostgreSQL | Postman | OAuth | RSpec | API | VScode | GraphQL
- Methodologies: OOP | TDD | REST | MVC architecture | SOA | Agile Workflow

Projects

West FL WX | Group | Turing School of Software & Design | 80 hours | [Github Repo](#)

- Developed a web Rails application to get updates for severe weather and offer a preparedness checklist
- Followed SOA principles by building a separate API service that aggregated data from other APIs
- Utilized Google OAuth 2.0, authorization and mailer functionalities

Little Esty Shop | Group | Turing School of Software & Design | 40 hours | [Github Repo](#)

- Built an e-commerce platform for merchants and admins to manage inventory and fulfill customer invoices
- Implemented MVC architecture using Ruby on Rails and TDD via RSpec
- Utilized HTML and CSS for the view pages and PostgreSQL as the database system

Nightwriter | Solo | Turing School of Software & Design | 40 hours | [Github Repo](#)

- Developed a program using Ruby that translates English to a digital representation of Braille and vice versa
- Implemented an object-oriented design, employing RSpec for Test Driven Development
- Utilized file I/O via terminal, argv, nested iterations, and inheritance

Connect Four | Pair | Turing School of Software & Design | 40 hours | [Github Repo](#)

- Implemented the game using Ruby and RSpec with the option to play against a computer or another player
- Collaborated with partner by alternating as needed between asynchronous workflow and pair-programming
- Utilized nested data structures, nested iterations, and user input via terminal

Work experience

Technology Specialist | Arapahoe Library District - Denver, CO | December 2021 - August 2022

- Assisted Patrons with any questions about/issues with any piece of technology
- Learned to use a variety of software and hardware alongside patrons to help them with their needs

Library Specialist | Arapahoe Library District - Denver, CO | May 2021 - December 2021

- Collaborated with other library staff to ensure correct and continuous circulation of library material
- Ensured patron satisfaction through connecting with them and assisting as needed

Lab Technician | Ardent Mills - Denver, CO | February 2017 - May 2021

- Developed the quality control process used by the bake lab to make the data generated more meaningful
- Generated quality control reports using PowerBI and/or Excel on a regular basis

Education

- Turing School of Software and Design, remote | Back-End Engineering | March 2023
- Ain Shams University, Cairo, Egypt | **B.S. Mechanical Engineering** | July 2011

Languages

- English: Native / Bilingual
- Arabic: Native / Bilingual