MICHAL MALEK

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EDUCATION

Illinois Institute of Technology, Chicago, IL   **EXPECTED GRADUATION: May 2023**

Bachelor of Science: Major in Computer Science

Relevant Coursework: Mobile App Development, Intro to Machine Learning, Object Oriented Programming, Operating Systems, Programming Languages and Translators, Database Organization, Computing Principles, Digital Systems, Data Structures and Algorithms, Digital Computers & Computing, Systems Programming, Global Product Development, Intro to Algorithms, Intro to Artificial Intelligence, Software Engineering

Awards: STEM+ Scholarship, Heald Scholarship

SKILLS

Programming: Python, JavaScript, Java, NoSQL, SQL, C Programming, HTML, CSS

Technical: Git, Docker, UX and UI Design, API Integration, Cloud Integration, Debugging, Troubleshooting,

Microsoft: Office, PowerPoint, Excel

Languages: English (Native), Polish (Intermediate)

PROJECTS

Personal Website – *Full-Stack Development*   **FALL 2022**

- Currently I'm reworking my website using the Vue JavaScript framework as well as Vite. I'm doing this to make a better showcase of my skills and make the website run smoother and look cleaner
- For the original site, I created the design on a website builder and did some modifications through JavaScript for a changing heading, but wanted to do more, so I decided to rework my site to make something better and really show what I can do

Library Management System – *Full Stack Development*   **FALL 2022**

- In a team of 3, together we designed based of an ER-model we designed. We implemented this into a PostgreSQL database schema that we will follow into developing a database for a library management application
- The PostgreSQL database would manage:
  - Users and allow them to search for, view, and borrow documents
  - Librarians, who will be able to issue warnings, manage users, and add/delete/modify documents
  - Documents, which include books, journal articles, and magazines

Study Room Reservation App – *Full Stack Development*   **SPRING 2022**

- In a team of 5 students, designed, developed, and implemented an android app that allows students to sign up and reserve a study room at I.I.T. and we used a cloud service, Google's Firebase, to query and manage the data from our app
- Programmed and designed the UI and UX features such as:
  - Selective menu bar and swipe features to move from each fragment
  - App look, scheme, and flow
- Helped with back-end development of our NoSQL database to query user data to the app

Civil Information App – *Front-End Development*   **SPRING 2022**

- Developed an app using Google's Civil Information API that allows user to search a government official in a chosen area
  - Upon selection of a government official, the user opens a new activity that changes the look of the app and shows the following officer's image, their party, name, ways of contact and other information

Order Management System – *Java Application*   **SPRING 2020**

- Application developed in Java that takes a list of excel sheet filled with orders and displays them in an easy-to-use application that can add new orders and delete cancelled orders. Utilized JFrame to display all the data and input values.

RELEVANT EXPERIENCE

CDW Corporation, Vernon Hills, IL   **June 2022 - August 2022**

Configuration Technician

- Configured and updated enterprise electronics and equipment for businesses, schools, and other organizations
- Scan model numbers and provided tags to enter this data into an Excel sheet for order confirmation and data entry systems
- Imaging Microsoft Windows computers with custom software.
  - Image and/or update up to 32 computers at a time
  - Update and enroll Google Chromebooks, Apple products and other technologies.