

ANIS TARIQ

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WORK EXPERIENCE

Zume, Inc.

Software Engineering Intern

June 2019 - Sept 2019

Mountain View, CA

- Built back-end features in **NodeJS** to improve robot precision.
- Improved back-end **SQL** query performance by **30%** by reducing unnecessary joins.
- Utilized **Redis** and **RabbitMQ** to push data to interactive customer-facing UI.
- Implemented a time-efficient pickup-service model, improving consumer satisfaction by **20%**.

PROJECTS

Todo List App

Ruby on Rails

- Implemented the frontend using **JavaScript** and the backend in **Ruby on Rails** to create a Todo List.
- Allowed the user to create multiple todo lists and gave the option to “**Mark as Complete**” or “**Delete**”.
- Pings the user when the deadline of the task is near, allowing productivity to improve by **60%**.

Deal or No Deal

Java

- **Java** replication of the popular game show, “**Deal or no deal**”; installed the UI with **JOptionsPane**.
- Built the simulation independent of real elapsed time enabling many **high-end** features.
- Created sophisticated algorithms for the banker’s offers making the game difficult by **10%**.

Tic-Tac-Toe

Python

- Created a replication of the popular 2-Player game **Tic-Tac-Toe**.
- All inputs checked **dynamically**; with constantly refreshing to show updated board.
- Made the AI intricate to a point where the computer has an **80%** chance of winning.

Intrusion Alarm

Picaxe

- Built an **alarm** with LEDs, a breadboard, a potentiometer, a speaker and 3 switches.
- Applied test-driven development when implementing **features** to ensure quality of product.
- Security-like unique design allows for exceptional dynamic-safety, decreasing risk-of-theft by **40%**.

TECHNICAL SKILLS

Languages

Java, Python, Picaxe, Ruby, LaTeX, SQL, Turing, Haskell

Tools

Git, Micro-controllers, Machine Shop Tools (Lathe, Mill), Arduino, Raspberry Pi

Web skills

HTML5, CSS, JavaScript, Rails, Atom

EDUCATION

McMaster University

September 2018 - Present

Bachelor’s in Computer Science (BCS)

Hamilton, ON

McMaster University Entrance Scholarship.

North Albion Collegiate Institute

September 2017 - June 2018

Ontario Secondary School Diploma

Toronto, ON

May Admission Cumulative Average: 93.2%

Waterloo Euclid Mathematics Contest: 3rd highest in school.

Graduated the Honours Mathematics Science and Technology (HMST) program with distinction; Northview Heights Secondary School (2014-2017).