

Akbar Zafar

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akbarzafar.github.io

github.com/AkbarZafar

Languages: C, C++, Java, JavaScript, HTML, Python, CSS, VHDL.

Frameworks/Tools: Git, Bootstrap, React.js, UiPath, Android Studio, Visual Studio.

Education

University of Waterloo

Sept 2019 – April 2024

Candidate for B.ASc. in Electrical and Computer Engineering

Relevant Courses: Fundamentals of Programming, Discrete Math and Logic, Digital Circuits and Systems, Calculus 1&2.

Projects

PricePoint / JavaScript, UiPath

January 2020

Winner for best UiPath automation hack.

A web application to find the best deals for products: PricePoint

- Developed a web scraper to retrieve best sellers from e-commerce websites such as Amazon and eBay utilizing **UiPath** automation.
- Used sheets.js to parse excel data and instantiated objects.
- Frontend developed with Bootstrap and handlebars.js for optimal user experience.

Rubik's Solver / JavaScript, React.js

December 2019

A step-by-step Rubik's Cube solver: Rubik's Solver

- **ReactJS** alongside **HTML/CSS** to design a dynamic user-friendly UI.
- Rubik's Cube simulation with a **Model View Controller** (MVC) design pattern.
- Implemented beginner's algorithm to optimally solve a Rubik's cube with minimum number of steps.

History Transaction Sorter / C++

November 2019

An ETF transaction sorter using linked lists

- Custom sorting algorithm to chronologically sort a linked list to decrease query speeds when retrieving balance data.
- Advanced Linked list traversal to compute capital gains and losses.

Explorer Quest / Java

August 2018

Strategic turn based game on Android: Explorer Quest

- A turn based strategic game in Java on Android with an intuitive UI.
 - Responsive GUI using animated sprites to streamline user experience.
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Experience

Team Coordinator / MIST Toronto

December 2018 – March 2019

- **Lead** a school team of over **70 students** to compete in an interscholastic tournament among **50 schools** from the GTA.
- Managed a budget of over **\$3000** to provide transportation and custom uniforms for entire team.

Produce Associate / Walmart

August 2018 – August 2019

- Worked in a **teamwork-based environment** to ensure **customer satisfaction** by **prioritizing** tasks to guarantee product availability and improve efficiency.