Tomislav Kraljic

Software Engineer

Github: https://github.com/TomislavKraljic
Blog: https://dev.to/tomislavkraljic
Portfolio: https://tomislavkraljic.github.io/
LinkedIn: https://www.linkedin.com/in/tomislav-kraljic-45967b194/

Projects

Molecular Particle Simulator

- Developed a highly reliable GUI based application built in **C++** and **SDL** that simulates how electrons behave and move at the molecular level.
- Implemented a design that changes colors of particles through bit manipulation.

Student Database Management System

- Built a Console based student database management system in **C++** that utilizes file handling to simulate a real life database.
- Established a workflow for the user to retrieve, delete, update and create records for students and calculate the grades for each student.

House Value ML Model

- Created a supervised machine learning model built with **C#** and **ML.NET** with real data to predict the median housing value in the state of California with a regression rate of 85%.

Work History

2020-11 - present

Software Engineer

Edify Labs, Fishers

- Indepedently took charge of the migration and redesign of Huddle Office from PHP to React.
- Optimized system performance by over 25% by making dynamic adjustments and resolving bugs.
- Collaborated with an agile development team to test, develop and maintain web and desktop-based software applications.

2016-02 - 2020-07

Human Resources Specialist

United States Army, El Paso

- Assisted the Pentagon in auditing the federal budget by mitigating waste in financial resources.
- Processed over 400 awards and revised over 2000+ official military documents for an organization of 250 employees.

Education

2021-07 - present

Ivy Tech Community College, Indianapolis

Associates of Science, Electrical Engineering

2020-06 - 2020-09

Eleven Fifty Academy, Fishers

Full Stack Web Development Boot Camp

Personal Info

Email
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Skills

Programming Languages: C, C++, C#, JavaScript, TypeScript

Frameworks/Libraries: SDL, React, .NET, .NET Core

Databases: PostgreSQL, MySQL

Version Control :Git

Testing Tools: Unit Testing, Swagger, Postman

Technologies: HTML5, CSS3

Languages

Croatian

English

German

Russian