

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/>

Technical 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.

Heap Memory Manager

- Built a heap memory manager in **C** for Unix-Based Operating Systems.
- Enables users to allocate/deallocate memory, catch memory leaks, remove internal/external fragmentation problems.
- Allows for users to visually observe current memory statistics.

Employee Database Web API

- Built a Web API in **C#** and **.NET Core** that manages sensitive employee and company information.
- Implemented Swagger UI for in-browser testing and documentation.
- Established a workflow for the user to retrieve, update, delete, archive and create employee and company data.

Work History

2020-11
- present

Software Engineer

Edify Labs, Fishers

- Independently 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

Personal Info

Email

tkraljic0@gmail.com

Phone

463-210-6282

Skills

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

Frameworks/Libraries: SDL, React, .NET, .NET Core, .NET Web API, Entity

Databases: PostgreSQL, MySQL

Version Control :Git

Testing Tools: Unit Testing, Swagger, Postman

Technologies: HTML5, CSS3, JSON, REST

Operating Systems: Linux, Windows, MacOS

Languages

Croatian

English

German

Russian