

TZIVYA ROTLEVY TUCKER – SOFTWARE ENGINEER

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SUMMARY

- Proficient in multiple programming languages including **Python, Java, C++, HTML, CSS, PHP, JavaScript, TypeScript Dart, C#, and SQL.**
- Experience in developing complex projects like **database systems and compilers.**
- Excellent self-learning capabilities and strong work ethic.
- Strong background in **algorithms** and multiple programming languages.
- Strong academic background in Computer Science from **Lev Academy Center (JCT)**, GPA:**90** Jerusalem.
- Available for a **full-time** Software Engineer position.

EDUCATION

Computer science graduate· Lev Academy Center (JCT) | 2020 – 2023

- GPA:**90**
- Developed projects in multiple programming languages. Including **C#, Java, Python,** and **Dart.**
- Strong background in **algorithms** and **mathematical** knowledge.
- Proficient in **SQL** for designing and implementing robust databases.
- knowledge in **AI & Data Science** for insightful analysis of large datasets.

ACADEMIC PROJECT

Database Project (Oracle SQL)|2023

- Developed an **SQL** database to manage inventory for a large charity organization.
- Achieved grade: **100.**

Compiler Project (Dart)|2023

- Built a compiler translating **Jack** language to **Hack** machine code.
- Achieved grade: **98.**

.NET Project (C#, WPF)|2021

- Designed a drone delivery management system using C#, WPF, and XML in a 3-layer architecture pattern.
- Achieved grade: **92.**

EXPERIENCE

Mathematics and Programming Tutor | 2022-present

- Provided tutoring services to matriculation students, offering guidance and instruction in various mathematical concepts.
- Conducted tutoring sessions for **Linear Algebra** and **Infinitesimal Calculus** courses.
- Tutored students in **C++ programming**, covering fundamental concepts, data structures, algorithms, and advanced programming techniques.

Pergola Calculator Project | 2023-present

- Initiated and developed a full-stack website to calculate the number and length of beams required based on user input.
- Suggested the most cost-effective store for purchasing the beams based on the provided data.
- Utilized technologies including front-end (**HTML, CSS, JavaScript**) and back-end (**Node.js, SQL**).

LANGUAGE

- **HEBREW (NATIVE)**
- **ENGLISH (FULL PROFICIENCY)**

KEY SKILLS

- **EXCELLENT SELF-LEARNER WITH STRONG WORK ETHICS AND GREAT DELIVERY CAPABILITIES.**
- **EFFECTIVE INTERPERSONAL AND COMMUNICATION SKILLS.**
- **INDEPENDENT AND RESPONSIBLE WORKER, EXPERIENCED IN COLLABORATING WITH OTHERS.**

TECHNOLOGIES

- **PYTHON, JAVA, C#, HTML, CSS, JAVASCRIPT, C++, DART AND ASSEMBLY.**
- **Tools:** GITHUB, VISUAL STUDIO, VISUAL STUDIO CODE, INTELLIJ, PYCHARM.
- **SQL.**
- **AI & DATA SCIENCE METHODOLOGIES, ALGORITHM ANALYSIS, COMPILERS, DESIGN PATTERNS, AND AUTOMATA & FORMAL LANGUAGES.**