# Zach Gharst

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## SKILLS

JavaScript; TypeScript; NodeJS; Go; C++; SQL; MySQL; RDBMS; NoSQL; MongoDB; Express; REST; GraphQL; Linux; Ubuntu; Bash; XHR; React; React Native; Redux; Jest; Cypress; HTML; CSS; Agile; Scrum; Project Management; Git; SVN; Apache; make; Maven; OOP; functional programming; MVC; JSON; XML; passivity; GitHub Actions

## PROJECTS

*More details and project links at http://gharst.engineer.*

☆ **DeviceViewer Location Enforcement**                                           **Fullstack Java**
*Cerner Corporation*                                                                    *Summer 2021*
- Joined an existing product and team at Cerner Corporation to add user interface components, create backend operations, perform unit testing, and document design and procedures.
- Participated in design and code review to ship production ready code that adhered to stakeholder requirements while keeping passivity in mind.
- Presented the project at an organization retreat – described the problem space, design decisions, stakeholder requirements, and solution.
- Java, SWT, JUnit, Mockito, OracleDB, SQL, SVN, Scrum, Agile, Jira, passivity, design documentation

**Commerce Bank Web Application**                                          **Backend / Database Admin**
*University of Missouri-Kansas City*                                                        *Spring 2021*
- Developed a fullstack application that allows the user to receive browser, email, and mobile notifications for transactions made to their bank account based on user created rules.
- Mentored by a software engineering team from Commerce Bank. Presented final product to Commerce Bank executives.
- .NET Core MVC; SQL Server; SQL; JavaScript; XMR; HTML; CSS; Apache; Scrum; Git

## WORK EXPERIENCE

**Metropolitan Community College**                                                    **2019 – Current**
*Learning Assistant*                                                                   *Kansas City, MO*
- Continuing tutoring services through the COVID-19 pandemic by creating an online platform through Discord for students and tutors to engage with each other.
- Conducting one-on-one assistance to students who need tutoring in algebra, calculus, physics, biology, statistics, information technology, and computer science (C++, architecture) subjects.
- Creating handouts and supplementary materials to assist student learning.

**Cerner Corporation**                                                                  **Summer 2021**
*Software Engineer Intern*                                                             *Kansas City, MO*
- Make enhancements to existing software with minimal direction.
- Participate in code reviews, identify issues/deviations from best practices, collaborate on component level technical designs, and write design documentation adhering to software requirements.
- Own and assist others in debugging and documenting root cause analysis and resolution, identify process improvements at team level to support operations and development ecosystem, provide software release support, and verifying software enhancements through testing.

**United States Marine Corps**                                                          **2009 – 2013**
*Corporal of Marines, Field Radio Operator*                                             *Kansas City, MO*
- Employ radio to send and receive messages. Typical duties include the set up and tuning of radio equipment and Very Small Aperture Terminal-Small, including antennas and power sources; establishing contact with distant stations; processing and logging of messages; making changes to frequencies or cryptographic codes.
- Hold supervisory responsibilities as a Corporal; in charge of a small team of three to five junior enlisted Marines.

## EDUCATION

**Bachelor of Science in Computer Science (4.0 GPA)**                                    **2020 - 2021**
*University of Missouri-Kansas City*                                                    *Kansas City, MO*

**Associate of Science in Computer Science (4.0 GPA)**                                   **2018 – 2019**
*Metropolitan Community College*                                                       *Kansas City, MO*