

Zach Gharst

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WORK EXPERIENCE

Metropolitan Community College

Learning Assistant

2019 - Current

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.
- Working with a variety of individuals, students, staff, and faculty to support the philosophy and mission of an urban, open-door, comprehensive community college.

Cerner Corporation

Software Engineer Intern

Summer 2021

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

Corporal of Marines, Field Radio Operator

2009 - 2013

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.

US Department of Commerce

Enumerator

2010

Kansas City, MO

- Conduct interviews with residents in assigned areas by following stringent guidelines and confidentiality laws. Explain the purpose of the census interview, answered residents' questions, elicited information following a script, and recorded census data on forms.
- Assess quality control levels on selected addresses, determined which samples passed or failed, and maintained records for quality control verification.

EDUCATION

University of Missouri-Kansas City

Bachelor of Science in Computer Science

Current

Kansas City, MO

- Currently attending classes at UMKC in pursuit of a BSCS; date of graduation: December 2021.
- Achieved Dean's List every semester; 4.0 GPA.
- Recipient of Bayer Scholarship.

Metropolitan Community College

General Education

2018 - 2019

Kansas City, MO

- Member of Phi Theta Kappa; achieved Dean's List every semester; 4.0 GPA.
- Leader of the Cycling Club; worked on campus in the Math Lab.

SKILLS, INTERESTS, PROJECTS, & ORGANIZATIONS

- **Skills:** C++; Java; Git; Linux; TypeScript; NodeJS; React; MongoDB; GraphQL; REST API; make; Maven; Agile; Apache; SQL; Vim; MySQL; HTML & CSS; OOP; calculus & mathematics; leadership
- **Projects:** DeviceViewer Location Enforcement (Cerner) - Joined an existing product and team to add user interface components, create backend operations, perform unit testing, and documenting design and procedures. CommerceBankWebApp - A fullstack application that allows the user to receive notifications for transactions made to their bank account. More details and links for projects at <http://gharst.engineer>.
- **Interests:** Competitive cycling; bicycle touring; mathematics; fitness; gaming; male fashion; philosophy; personal finance; barbecue
- **Organizations:** Member of the Association for Computing Machinery, Member of BikeWalkKC