

# Zach Gharst

zdggharst@gmail.com • (913) 907-9192 • <http://gharst.engineer> • Kansas City, MO

## 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.
- Providing walk-in tutoring in the Math & Science Lab.
- Conducting one-on-one assistance to students who need tutoring in algebra, calculus, physics, biology, statistics, information technology, and computer science (C++, Python, arch) 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.

### 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.
- Held supervisory responsibilities as a Corporal; in charge of a small team of three to five junior enlisted Marines.

### Convergys

**2012**

*Customer Service and Sales Representative Level II*

*Kansas City, MO*

- Responsible for providing front line, direct contact with clients and customers. This is principally done through receiving or placing telephone calls.
- Worked in a fast-paced environment, and was focused on first call resolution in an effort to achieve customer satisfaction at all levels.

### US Department of Commerce

**2010**

*Enumerator*

*Kansas City, MO*

- Conducted interviews with residents in assigned areas by following stringent guidelines and confidentiality laws. Explained the purpose of the census interview, answered residents' questions, elicited information following a script, and recorded census data on forms.
- Assessed 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

**Current**

*Bachelor of Science in Computer Science*

*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

**2018 - 2019**

*General Education*

*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++; PHP; Git; Agile; Linux; Apache; SQL; Vim; MySQL; HTML & CSS; Python; OOP; calculus & mathematics; leadership; radio systems; electronic systems; 125 WPM
- **Projects:** EmergencyResponseSimulator - Artificial requests use pathfinding to find the closest available vehicle in a node-based rendition of KCMO (view this & more 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