

# Tyler Oreskey

## Software Engineer

(563) 639-4736 | [toreskey@gmail.com](mailto:toreskey@gmail.com) | [Github](#) | [Linkedin](#) | [Website](#)

## TECHNICAL SKILLS AND CERTIFICATIONS

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- **Web Development Certification:** Completed a rigorous 6-month full-time web development immersive program at Galvanize in Boulder, CO, focusing on building solo and team-based web applications using modern technologies.
- **Languages and Frameworks:** JavaScript, Java, HTML, CSS, Node.js, React, SQL, C++, RESTful APIs, Linux Command Line.
- **Development Techniques:** Agile, Object Oriented Programming, Git, Test Driven Development.

## EXPERIENCE

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### FULL-STACK DEVELOPER | TAPONIT MOBILE DEALS | DAVENPORT, IA

JUNE 2019 – OCTOBER 2020

- Developed and maintained a marketing application enabling consumers to save money by receiving deals on their phones, enhancing user engagement and driving business revenue through increased deal redemptions.
- Programmatically constructed intelligent solutions with a team that directly supported business growth and revenue streams, enabling future expansion opportunities.
- Completed a full-stack technology migration to reduce costs, modernize the application structure, and improve logic flows, contributing to long-term financial efficiency.
- Designed and launched an e-gift card platform that helped struggling local businesses generate revenue during the pandemic, strengthening community ties and expanding the client base.
- Provided immediate application support when necessary to ensure continuous revenue flow and maintain high levels of client satisfaction.
- Technologies used: JavaScript, Vue.js, React, Node.js, Express.js, PostgreSQL, SQL Server, Docker, Redis, AWS.

### MICRO SOLDERER | HACH COMPANY | LOVELAND, CO

May 2016 - November 2016

- Created water quality test electronics by hand soldering surface mount and through-hole components on circuit boards.
- Operated and monitored the wave solder system to build complex circuit assemblies and assured optimal board performance through thorough quality inspections.
- Collaborated closely with team members and supervisors to communicate progress, address challenges, and ensure timely delivery of high-quality assemblies to meet production deadlines.

## WEB DEVELOPMENT PROJECTS

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### [Trip Planner](#)

- Designed and developed a user-friendly mobile trip planning application for seamless tour creation and management.
- Enabled users to add locations to their tours by selecting points on a map or manually entering latitude and longitude coordinates.
- Implemented heuristic algorithms to optimize the total distance of trips, enhancing route efficiency and user convenience.
- Focused on intuitive design and functionality to provide a smooth and efficient trip planning experience.
- Technologies used: Java, Spark, Junit, JavaScript, React, Jest, Node.js, MariaDB, Bootstrap, Mockito, Maven, JaCoCo.

### [Company Project Manager](#)

- Developed a comprehensive company management web application with a user-centric interface to enable efficient management of employees and projects, streamlining business operations.
- Ensured high code quality and reliability with tools like JaCoCo, PIT, Evosuite, and SpotBugs.
- Technologies used: Java, Spark, Junit, JavaScript, React, Jest, Node.js, Mockito, Maven, JaCoCo, PIT, Evosuite, SpotBugs.

### [Fishtopia](#)

- Built a web application for fishermen to share recent catches, displayed as interactive markers on Google Maps API.
- Provided geographical, seasonal, and easily accessible catch information to create a community of knowledgeable fishermen.
- Technologies used: React, Redux, HTML, CSS, JavaScript, Bootstrap, Node.js, PostgreSQL, Express.js, Knex.js.

### [Good Samaritan](#)

- Developed a mobile application to guide users through emergency situations by presenting actionable steps to aid individuals

while waiting for professional help.

- Included functionality for calling 911 and offering tailored solutions to address specific emergencies, potentially saving lives.
- Technologies used: React Native, Redux, HTML, CSS, JavaScript, Bootstrap, Node.js, PostgreSQL, Express.js, Knex.js.

## EDUCATION

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**Colorado State University | GPA 3.9 | Anticipated Graduation: December 2024**

- Bachelor of Science in Computer Science with a focus on Software Engineering