

Alex Messina

Phone: 314-599-1732 | **Email:** me@alexmessina.dev | **Location:** St. Peters, MO, 63376

Portfolio: <https://alex-messina-react-portfolio.netlify.app/>

LinkedIn: </joseph-messina-36503049>

GitHub: github.com/ExecutorKarthan

Highly motivated Jr Web Developer with a passion for building solid open-source projects. Excited to leverage my technical skills and experience to contribute to a mission of developing custom solutions and gaining cutting-edge experience in a dynamic industry. Earned a certificate in Full Stack Web Development from Washington University Coding Bootcamp. Collaborative problem-solver who is passionate about developing robust apps with intuitive user experiences. Strengths in solution-exploration, teamwork, and seeing projects from inception to live functionality.

TECHNICAL SKILLS

- **PROGRAMMING LANGUAGES:** JAVASCRIPT, JAVA, PYTHON
- **ARCHITECTURES:** REST, MERN
- **WEB TECHNOLOGIES:** HTML, CSS, BOOTSTRAP, JQUERY, NODE, EXPRESS, HANDLEBARS, REACT, VUE, WEBPACK
- **VERSION CONTROL:** GIT
- **TOOLS:** GIT, API INTEGRATION, MYSQL, MONGOOSE, NODE.JS, GRAPHQL, EXPRESS
- **DESIGN:** FRONT-END DESIGN, BACKEND SERVER INTEGRATION

SOFT SKILLS

- **GROWTH MINDSET**
- **EFFECTIVE COMMUNICATION**
- **POSITIVE RELATIONSHIP BUILDING**
- **ADAPTABILITY**
- **PROJECT MANAGEMENT**

PROJECTS

BEE-PORTER - <https://github.com/ExecutorKarthan/BEE-PORTER>

- Summary: Mobile responsive app that allows users to create accounts and drop pins, notifying logging in users as to the locations of bee swarms
- Role: Co-Author
- Tools: Javascript, Mongoose, CSS, Bootstrap, Express, Vite, Render, Bcrypt, React, Apollo/GraphQL, Mapbox API, JWT, Stripe

WORTH THE WATCH? - <https://github.com/ExecutorKarthan/WORTH-THE-WATCH>

- Summary: Mobile responsive app that allows users to view, create and comment on movie reviews
- Role: Co-Author
- Tools: Javascript, CSS, Bootstrap, Express, Dotenv, Handlebars, Sequelize, Mysql2, Bcrypt, Sessions

SQL EMPLOYEE MANAGER - <https://github.com/ExecutorKarthan/SQL-EMPLOYEE-MANAGER>

- Summary: Command line app to manage a fictional company's SQL employee database
- Role: Sole Author
- Tools: Javascript, HTML, CSS, MySQL, Inquirer, Dotenv, Sequelize

EXPERIENCE

Science Teacher

St. Charles High School

Supported students from a variety of backgrounds in multiple levels of chemistry and computer science coursework.

August 2018 – Present

St. Charles, MO

Key Accomplishments:

- Developed a Google Apps Script that was adopted by the school to coordinate student flow from homeroom to other locations.
- Helped guide and implement building-level decisions by serving on the Shared Leadership Committee.
- Supported colleagues by hosting professional development presentations and book clubs.
- Introduced a material science-based chemistry curriculum to promote student interest and success.
- Prepared students so that 100% of testers passed the 2023 Advanced Placement Chemistry exam.
- Coordinated with the Microsoft Technology Education and Learning Support (TEALS) program to provide an industry professional to support St. Charles' newly created computer science program.

Esports Head Coach

August 2021 – Present

St. Charles High School

St. Charles, MO

Build and maintain a competitive esports team with a focus on developing student-athletes in a positive, accepting environment.

Key Accomplishments:

- Created and managed the first-ever esports team in St. Charles School District History.
- Organized the first live Esports tournament hosted by a public high school in St. Charles County.
- Coached state-qualifying Smash Bros and Halo teams.

Biology Teacher

August 2017 – 2018

Rockwood High School

Fenton, MO

Supported students from a variety of backgrounds in multiple levels of biology coursework.

Key Accomplishments:

- Modeled a case-based teaching method to the Biology department.
- Started a competitive chess club for interscholastic competition.

Biology Teacher

August 2015 – 2017

Salem R-80 High School

Salem, MO

Supported students from a variety of backgrounds in multiple levels of biology coursework.

Key Accomplishments:

- Provided a college level educational experience to over 100 students

EDUCATION AND CERTIFICATIONS

Certificate of Completion - Coding Boot Camp

Anticipated Completion March 2024

Washington University - St. Louis

Remote

Certified Scrum Master

Remote

Scrum Alliance

Chancellors Certificate in Programming - University of Missouri

- Focuses in Java Programming and Python Programming

St. Louis, MO

PLTW Computer Science A (Java) Certification

PLTW Master Teachers

Kansas City, MO

Master of Education - Learning, Teaching and Curriculum

University of Missouri

Columbia, MO

Master of Science in Forensic Sciences

Marshall University Forensic Science Program

Huntington, WV

Bachelor of Science in Biology

University of Missouri

Columbia, MO