

Alex Messina

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

Portfolio: executorkarthan.github.io/Alex-Messina-Portfolio

LinkedIn: [/joseph-messina-36503049](https://www.linkedin.com/in/joseph-messina-36503049)

GitHub: github.com/ExecutorKarthan

Web developer leveraging backgrounds in science and education to provide client focused product development. Earning 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

JAVASCRIPT ES6+, PYTHON, JAVA, HTML5, CSS3, MYSQL, OBJECT ORIENTED PROGRAMING, GITHUB, BOOTSTRAP, JQUERY, NODE, EXPRESS, HANDLEBARS

PROJECTS

SQL EMPLOYEE MANAGER - [HTTPS://GITHUB.COM/EXECUTORKARTHAN/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, MySQL, Inquirer, Dotenv, Sequelize

WORTH THE WATCH? - [HTTPS://GITHUB.COM/EXECUTORKARTHAN/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, HTML, CSS, Bootstrap, Express, Dotenv, Handlebars, Sequelize, Mysql2, Bcrypt, Sessions

SIPSYNC - [HTTPS://GITHUB.COM/EXECUTORKARTHAN/SIPSYNC](https://github.com/EXECUTORKARTHAN/SIPSYNC)

- Summary: Mobile responsive app that helps the user find food and drink pairings for a meal
- Role: Co-Author
- Tools: Javascript, HTML, CSS, Tailwind, The Meal DB API

EXPERIENCE

Science Teacher

St. Charles High School

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

Key Accomplishments:

- Developed an automated, dynamic, and universally used system to coordinate student travel during homeroom.
- 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 advanced placement students for the AP Exam so that all testers passed the 2023 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.

August 2018 – Present

St. Charles, MO

Esports Head Coach

St. Charles High School

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

August 2021 – Present

St. Charles, MO

Biology Teacher

Rockwood High School

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.

August 2017 – 2018

Fenton, MO

Biology Teacher

Salem R-80 High School

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

August 2015 – 2017

Salem, MO

EDUCATION AND CERTIFICATIONS**Certificate of Completion - Coding Boot Camp**

Washington University - St. Louis

Anticipated Completion March 2024

Remote

Certified Scrum Master

Scrum Alliance

Remote

Chancellors Certificate in Programming - University of Missouri

- Focuses in Java Programming and Python Programming

St. Louis, MO

PLTW Computer Science Principles (Python) Certification

PLTW Master Teachers

Remote

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