

# Alex Messina

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

**Portfolio:** [executorkarthan.github.io/Alex-Messina-Portfolio](https://executorkarthan.github.io/Alex-Messina-Portfolio)

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

**GitHub:** [github.com/ExecutorKarthan](https://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

**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