

Lee Melzer, M.S.

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Objective

Former Aviation Rescue Swimmer and recent Master of Computer Science graduate with distinction. Exceptionally motivated and hardworking professional building a career in Software Development.

Experience with Java, C++, HTML, CSS, JavaScript, SQL, PHP, C#, React, Android Studio, Unity Engine, Git, and Jira.

Project Experience

STEM Arcade (master's project)

Team Lead for the development of the STEM Arcade, a web application hosting video games that teach core mathematical concepts and science basics to help Elementary and Middle School students improve test scores in the US. Project was created in response to the rapid decrease in student test scores after Covid-19. Tools used include HTML, CSS, JavaScript, C#, Unity engine, WebGL, Jira, and Git. Ongoing updates.

leemelzer.io

Personal website and blog where I discuss topics in computing, current projects, and lessons / technologies I learn as I continue to expand my knowledge. Tools used include HTML, CSS, JavaScript, React, Node.js, and Git.

Veteran's Project (in development)

A web application designed to create an online community for veterans struggling with PTSD to connect, share their stories, and give / receive support. Tools used include HTML, CSS, JavaScript, React, Node.js, PostgreSQL, Redis, and Git. Currently in development.

Education

BACHELOR OF SCIENCE IN HUMAN BIOLOGY | UNIVERSITY OF CALIFORNIA, SAN DIEGO | 2017 – 2020 | GPA: 3.8

MASTER OF SCIENCE IN COMPUTER SCIENCE | NATIONAL UNIVERSITY | 2021 – 2023 | GPA: 3.9

Work Experience

AVIATION RESCUE SWIMMER | US NAVY | MAY 2009 – MAY 2015

- Performed as a Search and Rescue SME in the planning and execution of 800+ Search and Rescue, Humanitarian Aid, and Disaster Relief flight missions aboard the MH-60S helicopter platform.
- Performed open water Search and Rescue flight missions in the North and South Pacific, Philippine Sea, Sea of Japan, Sea of Okhotsk, Arabian Sea, and Persian Gulf.
- Performed overland Search and Rescue and Disaster Relief flight missions in Japan and Pakistan.
- Operations Department Leading Petty Officer responsible for training and managing 12 personnel to organize and plan all squadron flight schedules and missions.