

# BRIAN STEVENSON

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## SKILLS & TOOLS

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**LANGUAGES:** Python (pip & conda), Rust, Java, C++, HTML/CSS/Javascript/PHP

**TECHNOLOGIES:** Docker, Kubernetes, Github Desktop, NginX, systemctl, Flask, NodeJs with npm, CLI tools, React

## PERSONAL PROJECTS

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**PERSONAL PORTFOLIO** <https://brian2002.com>

Est. Oct 2022

- Website in Rust Actix Web demonstrating HTML and CSS
- Moved over from Flask framework and bootstrap library, Waitress gateway interface

**FRIEND MASTERY** <https://lolmastery.net>

Est. Feb 2023

- Flask site I stopped supporting is the only site I found to compare players' mastery scores using Jinja (templating for server side rendering), AJAX, and Waitress gateway interface
- 5 postgres tables, 2 are junction tables for many to many relationships. Utilizes Riot Games API

**PRIVATE CONTRACTING**

Since Apr 2023

- I serve two clients helping them connect with their customers and associates. I practice very precise and accurate communication along with good deployment practices to get their websites as close to 100% uptime as I can. Things I've tried to emphasize are communicating payment, business requirements, my scope of knowledge, themes for frontend design, and where I can improve performance.
- One of my clients' projects is a single page of HTML/CSS, however the other uses Rust, React, and PostgreSQL to store hundreds of thousands of lines for my clients' enterprise and serves to show his customer base his inventory, like a storefront.

## PAST DEPLOYMENTS

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For each project on this resume I had deployed using a systemctl unit and nginx unit, however I've recently switched to Docker and Kubernetes to simplify deployment

**LAMP STACK**

May 2020 - June 2021

- My first deployment used Linux, Apache, Mysql, and PHP. All of the HTML, CSS, JS, and PHP written in Web Expression
- Used SQL database (MariaDB is a fork of MySQL) storing user information, using Argon2 hashing to protect passwords
- I no longer host this site, however I still have the source code and the site was partially saved on waybackmachine:  
<https://web.archive.org/web/20210725024815/https://combatzoneconquerors.com/>
- Demo of the database: [https://youtu.be/9FFZnL\\_xYuw](https://youtu.be/9FFZnL_xYuw) showing I had ~20 accounts made before shutting down

## WORK EXPERIENCE

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**TEACHER AID @ CSULB COLLEGE OF ENGINEERING: COMP ENG & COMP SCI DEPT** Aug 2023 -Dec 2023

I worked with a professor to help 210 students divided across 5 classes of a 3-unit Computer Ethics course during my Fall 2023 semester. Responsibilities included making prompts & rubrics, grading papers, discussing what should or shouldn't be in lectures, and helping students. I practiced great communication with the professor to ensure everyone was graded fairly and timely.

## EDUCATION

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**CALIFORNIA STATE UNIVERSITY, LONG BEACH**

Long Beach, CA

BS of Computer Science

Aug 2022 - Jun 2024

Relevant Coursework: Algorithms, Databases, OOP, ML, SW PM & Testing, Operating Systems, Concepts of Comp Sci Theory, Comp Security, Computer Architecture, Computer Organization, Discrete Math, Linear Algebra

My senior project is done with four other teammates. We're working to build and deploy a Machine Learning model to identify most consumer cars, especially sports cars. Furthermore, we're releasing a basic web interface for users to share what cars they've spotted, loosely based on Instagram's UI. We're using JS and React for client side logic, Flask for server side logic, and PostgreSQL. All the tools picked have been influenced by all group members, and we've settled on VS Code and GitHub Desktop for many aspects of development.