

# Esteban Rodriguez

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## Education

### B.S. IN COMPUTER SCIENCE – INFORMATION SYSTEMS

California State University, Bakersfield

Bakersfield, CA

*Aug 2016 – May 2020*

**Relevant Coursework:** Software Engineering, Algorithm Analysis, Web Dev II, Advanced Java, Database Systems, Artificial Intelligence., Comp. Architecture II, Network Security, Operating Systems, Distributed/Parallel Computation

**59DaysOfCode Volunteer:** Developed an ecommerce website for marketing new skincare products

<https://github.com/59DAYSOFCODE/59dockc-code4care>

## Technical Skills

**Languages:** HTML/CSS, JavaScript, Java, PHP, MySQL, PostgreSQL, Familiar with C++

**Frameworks/Libraries:** Bootstrap, jQuery, AJAX, Laravel

**Version Control:** Git, Github

## Projects

### Delectable – Restaurant Management & Reservation System

<https://github.com/erodriguez0/delectable>

- Utilized Fabric JS, a canvas framework, to create an interactive restaurant layout
- Used AJAX to avoid page reloading and create a seamless customer experience
- Implemented a user role hierarchy for administrators, customers, employees, and managers

### FighterZ – Local 2-Player Fighting Game

<https://github.com/erodriguez0/fightertz>

- Worked on displaying player health, timer, start menu, and simple tutorial
- Collaborated with a team of students to develop hitboxes, simulate gravity, and player actions
- Communicated with teammates the requirements, goals, and objectives for our game

### Computer Repair Business - Customer Service Desktop App

<https://github.com/erodriguez0/computer-repair-business-app>

- Developed a JavaFX app for customer service to register users, create/close tickets, and assign experts to fix the issues listed
- Responsible for designing and managing the application's PostgreSQL database
- Built a report generator to produce employee reports listing all their related work

### Heavy 6 – Music/Musician Forum

<https://cs.csuabak.edu/~erodriguez/project3/home.php>

- Developed both front-end and back-end complete with user accounts, topics, posts, and comments
- Applied both front-end and back-end input validation and process image uploads

### Collaborative Interactive Piano – Ongoing Project

<https://cimw.azurewebsites.net/>

- Established the basic structure for users to connect and communicate using Node.js and Socket.IO
- Used NexusUI and Tone.js for displaying an interactive piano and producing sounds