

# Timothy Dean Vitelle

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## Work Experience

### SOFTWARE ENGINEER | MYHEALTH | 03/2017 – PRESENT

- Designed software specifications for mobile application development.
- Implemented Google Firebase for mobile applications analytics needs.
- Developed algorithms for handling Bluetooth beacons and NFC functionality.
- Managed MySQL database using SQL and PHP for user authentication.
- Created the U/I and functionality for the Android mobile application.

## Related Experience

### FILE SYSTEM CLASS PROJECT

- Utilized the C++ programming language to design and implement a functional FAT32 file system.
- Implemented a simulated disk drive, a simple file system, shell commands, and a single table database system.

Source: <https://github.com/vitellet/Gitcode/blob/master/sdisk.cpp>

### SERVER PROGRAMMING FINAL PROJECT

- Utilized PHP and SQL to create an interactive web application.
- Established an authentication system to ensure optimal security for the application

## Projects

### SOFTWARE ENGINEER

*PROJECT:* Mobile Application Development for CSUSB SOAR Department

*CLIENT:* CSUSB SOAR Department

- Worked cohesively with five classmates to develop a mobile application for the university's student orientation program.
- Components included: Design, layout, functionality, accessibility, and testing. This included meeting with project management for biweekly progress updates, meeting with the quality assurance team, and presenting the final product to the client as well as the department chairs.

Google Play: <https://play.google.com/store/apps/details?id=edu.csusb.soar>

App Store: <https://itunes.apple.com/us/app/soar-csusb-2016/id1111696789?mt=8>

## Skills & Abilities

### LANGUAGES

- C++, Python, Java
- HTML, CSS, SQL

## Education

### BACHELOR OF SCIENCE | 2017 | CALIFORNIA STATE UNIVERSITY SAN BERNARDINO

- Major: Computer Science
- Related coursework: Software Engineering, Machine Learning, Data Communications and Networks, Server Programming, and Web Programming