
Summary:

A design-thinker Computer Science graduate from the University of Cape Town. Boasts problem-solving, adaptability skills, and a strong Java, SAP ABAP coding background. Familiar with Scrum processes, SQL data management, Android SDK, GIT version control, and SAP S4HANA. Seeking to join a vibrant team of developers to apply and enhance current programming and project management skills.

Education:

- - **Qualification:** BSc majoring in Computer Science and Business Computing
 - **Institution:** University of Cape Town
 - **Date Completed:** December 2022
 - - **Qualification:** UMalusi National Senior Certificate
 - **Institution:** Cyril Clarke High School
 - **Date Completed:** December 2016
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Experience:

I. Software Development:

- **Department:** Computer Science
- **Institution:** University of Cape Town

- **Project:** District Six AR

The project is an Android app written in Java on Android Studio that guides users touring sites of interest at District Six. The app provides a map and navigation capabilities through the tour and once the user arrives at a site, they can access information about it in the form of images, video, and text. The aim of the tour is to educate users about the District Six removals by the Apartheid government. [link to project report](#)

Responsibilities:

I was responsible for choosing and integrating the navigation API for navigation features and the feedback and Usage data collection feature which stored the data on Firebase.

Communication:

The project was a hybrid scrum lead and involved remote (MS Teams and Zoom) and in-person update meetings and code sprints.

Version Control:

The source code was hosted on CS-GitLab. Each team member had their own code branch. They would make a merge request when there was a new feature had been tested and approved by the team.

- **Project:** Truth Tables for propositional logic

A website that provides a user interface that allows a user to type in sentences of propositional logic. The website computes a truth table for the input and allows the user to check logic properties such as validity.

<http://thadeusowl.github.io>

Responsibilities:

I was responsible for designing and implementing the user interface, integrating user interface functionality to back end computations.

Communication:

The project was a hybrid scrum lead and involved remote (MS Teams and Zoom) and in-person update meetings and code sprints.

Version Control:

The source code was hosted on CS-GitLab. Each team member had their own code branch. They would make a merge request when there was a new feature had been tested and approved by the team.

II. Business Analysis

- **Department:** Computer Science
 - **Institution:** University of Cape Town
 - **Project:** Business Process Redesign: Non-Research Sales Invoicing [project report link.](#)
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Technical Skills:

- **Business Analysis**
 - Business Process Redesign
 - BPMN Modeling
 - Tableau Dashboards
 - Data Cleaning with Tableau data prep
 - SAP procure to pay and sales to order processes
 - SAP ABAP programming
 - IT Project Management
 - C#
 - ArcGIS and Google Maps API
 - **Software Development**
 - Python, Java
 - HTML/CSS/flask
 - SQL/MySQL
 - Flutter
 - Java Android Studio Development
 - Agile/Scrum
 - Prototyping
 - Linux, Unix
 - Git Version Control
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Soft Skills:

- Design thinking
 - Creative Problem Solving
 - Oral and Written Communication
 - Organizational and Time management skills
 - Analytical Skills
 - Team-work
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Languages: *Home:* SiSwati, *Other:* English & IsiZulu

References:

- - **Name:** Melissa Densmore
 - **Email:** mdensmore@cs.uct.ac.za
 - **Relation:** Lecturer, CS3 Project Supervisor
- - **Name:** Ebrahim January
 - **Email:** ebrahim@citizsurveys.info
 - **Relation:** Citizen Surveys National Field Operations