ABEL PHILIPS

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EDUCATION

The University of Texas at Austin   MSE in Computer Engineering   December 2022
Tech Core: Software Engineering and Design
Overall GPA: 4.0

EXPERIENCE

H-E-B - *Digital Intern;* San Antonio, TX   Summers 2020 - 2022
- Developed point of sale application for store kitchens utilizing Flutter development platform
- Redesigned older kitchen display system application from the ground up to improve user interface and usability
- Documented development cycle and proposed improvements to implement in future iterations
- Constructed REST API to manage orders at store locations using Spring Framework
- Implemented Kotlin APIs to calculate price and tested API protocols using Mockito and Docker images
- Created custom cross-platform application's front end and back end to streamline sprint planning process

SkillsEngine - *Quality Assurance Intern;* Austin, TX   July 2019 - August 2019
- Detailed protocols and a process for formalizing QA activities within a Heroku application
- Led efforts on writing test cases and building out QA pipelines during development of online software
- Participated in a SCRUM and Agile development environment when working with a group of developers
- Identified defects, tracked issues, and approved modifications to meet customer demands
- Compiled and presented a report covering existing accessibility issues

University of Texas at Austin – *Teaching Assistant;* Austin, TX   August 2021 - Present
- Served as adviser for twelve groups of engineering students in entrepreneur senior design
- Provided guidance on technical problems for hardware and software products

ACADEMIC PROJECTS

Unibloom - *Entrepreneurship Senior Design;* Austin, TX   Fall 2020 - Spring 2021
- Designed an application for Android devices that manages and optimizes schedules and tasks
- Utilized a Spring Boot API built in Kotlin, MongoDB, and Android Studio for development

Messaging Application - *Software Design and Implementation II;* Austin, TX   Spring 2019
- Programmed a Java chat application that allowed for communication between several computers
- Employed internet protocols, a GUI, writers, servers, multithreading, and encryption to facilitate transfer of messages

Company Security Policy Project - *Information Security and Privacy;* Austin, TX   Spring 2020
- Authored a report for a company covering data inventory; information valuation; and vulnerabilities and risks
- Developed access controls and an incident response plan to protect data during a security breach

LEADERSHIP EXPERIENCE AND ACTIVITIES

Toastmasters - *Member;* Austin, TX   Fall 2018 - Present
- Providing insightful and constructive feedback to empower Toastmaster members to improve communication skills

UT Society of Automotive Engineers - *Member;* Austin, TX   Fall 2017 - Spring 2018
- Worked with Solar Car team to design battery protection system using Arduino boards and C programming language
- Joined corporate outreach team to gain sponsors and donations from large engineering companies

IEEE - *Member;* Austin, TX   Fall 2017 - Present
- Networked with several companies and engineering students to develop professional relationships

RELEVANT SKILLS

Computer Skills: UML, Software Design, Algorithms, Data Structures, Requirements Engineering, Software Testing
Software: Adobe Premier, Microsoft Office, Maven, Gradle, Selenium, MongoDB, Google Cloud Platform, Git, PostgresSQL
Languages: Java, Kotlin, Python, Dart, C, C++, SQL, MATLAB, HTML, CSS, JavaScript, ARM Assembly, Solidity