

# Ian Taylor

+263788577787 • itaylor5@asu.edu • linkedin.com/in/ian-taylor-38ba0584 • github.com/iTaylor5 • itaylor5portfolio.com

## SUMMARY

Software Engineering student in final year with project experience in object-oriented programming, web and mobile applications client and server side, microservices deployed in the cloud. Seeking full-time or internship opportunities in Full Stack Engineer.

## EDUCATION

### B.S. Software Engineering

Arizona State University, Fulton, AZ

Expected May 2022

3.43 GPA

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, C, Python

**Front-End:** HTML, CSS, React.JS

**Tools, Databases, and OS:** Node.JS, Express.JS, SQL, Jersey, JMS Messaging Service, Git, GitHub, Docker, AWS, MacOS, Linux/Unix

**Architecture Styles:** REST, Microservices, SOC

**Methodologies:** Agile, Waterfall, Test Driven

## ACADEMIC PROJECTS

### Connect4 Game

Spring 2020

- Created a Connect 4 networked game with a server application that allows multiple users running client-side Connect4 software to connect to and play through a local network handling multiple connections and each game's functionality.
- Client-sided Connect4 application runs, giving the user the choice of either playing online (connecting to the server) or single-player with a further option to run the game in GUI or CLI.
- Built using Java, JavaFX, using multithreading and tested with JUnit.

### Farm Simulation Game

Spring 2019

- Developed a simple CLI farming game where decisions are needed to be made after each cycle.
- For this game, I chose to use the Factory Pattern to construct the different types of farms. I used the Decorator Pattern to handle the farm upgrades and the Monitor Patterns to monitor the overall game.
- It is built using Java.

### Multithread Image Filter

Fall 2019

- A BMP file is run through a terminal with an argument specifying the type of filter (either blur, or cheese). The filter is applied to the image through evenly distributed threads and the new image is saved.
- This program was built using C.

### Currency Convert Server Application

Fall 2021

- A simple server application created using JavaScript, Node.js, and Express that receives a number and the currency it needs to be converted to and returns the figure in the new currency.

## RELEVANT PROJECTS

### Northing & Easting Location Planner

Spring 2019

- Developed a personnel project to figure out the closest worksite regarding its location and come up with a route to reach multiply sites using their Northing and Easting locations.

## OTHER WORK EXPERIENCE

### 3.4U Data Recorder, Halul Offshore

07/2019 - 03/2020

- I worked as part of the dive management team, controlling dive operations for the Qatar Petroleum inspection program. This involved coordinating diver and ROV inspection work while recording and reporting all findings.

### Air/Saturation Diver | Various Companies in the Middle East, West Africa and Asia

08/2007 - 07/2019

- I worked as a commercial saturation diver on multiple contracts for various companies in the Oil and Gas industry.