

Skills

Java, C#, JavaScript, SQL, NoSQL
React/React Native, Spring, ASP.NET 5.0, Angular.
AWS, AZURE, Google Cloud
Unit Testing, Flowchart, UML diagrams, Project Design
SCRUM & Agile workflow development methodologies

Experience/Projects

ShuttleU (In-Progress):

- Utilizes React Native Expo, Google Maps API, Node.JS API, and MySQL database to create a Mobile application to streamline the use of shuttle services and operations between the riders, drivers, and administrators. <https://github.com/Lucas-Jacobsen/ShuttleU>

Enterprise-Class N-Layer Inventory Management Application:

- Utilizes Spring MVC, Spring Core (Data and Business Services, IoC and DI), Spring Data JDBC, Spring REST Services, Spring Security, Bootstrap, Thymeleaf, Embedded Tomcat, REST API, and MySQL to create a full functioning Inventory web-application. <https://github.com/Lucas-Jacobsen/StringTheory>

Minesweeper Game:

- Utilizes ASP.NET 5 MVC Framework alongside to create a version of the classic Minesweeper game. Implements recursion principles and other algorithms to enhance the basic game mechanics. <https://github.com/Lucas-Jacobsen/Minesweeper>

Angular CRUD Application:

- Basic Web application that allows a user to create, read, update, and delete products using a Node.JS backend REST API. <https://github.com/Lucas-Jacobsen/GymEquipmentInventoryAngular>

YachtYard (In-Progress):

- This Spring Boot full-stack application provides users with a seamless experience to browse and select boats for rent. Leveraging a SQL database and the Spring Boot framework, it offers a user-friendly interface for boat selection and reservation, simplifying the rental process for both boat owners and renters. <https://github.com/Lucas-Jacobsen/YachtYard>

Certifications

Threat Intelligence Support Unit (TISU):

- MITRE ATT&CK Framework, CIS-18 Critical Security Controls, SOC/IR Fundamentals, OSINT, threat hunting and risk management.

Education

Grand Canyon University (3.66 GPA)- B.S. in Software Development

Phoenix, Arizona (2021-Present)

- Relevant Completed Coursework: Computer Programming I, Introduction to Web Development, Programming in C#, Programming in Java II, Database Design & Development, Programming in C# II, Programming in Java III, Programming in C# III, Operating System Fundamentals, Cloud Computing, Data Structures and Algorithms, and Application Security.
- 100+ approved service hours
- Technology Club

Assumption High School (3.90 GPA)

Davenport, Iowa (2017-2021)

- National Honors Society, Student Ambassador, FCA leader, and 3-sport varsity Athlete.
- 120+ approved service hours.