

# Umais Iqbal

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## EDUCATION

### **Stony Brook University**

*Bachelor of Science in Computer Science*

- GPA:3.8
- Dean's List

Stony Brook, NY

*Expected May 2024*

### **Relevant Coursework**

Data Structures & Algorithms, Intro to Software Development, Object Oriented Programming, Computer Architecture, Discrete Math, Probability & Statistics

## EXPERIENCE

### **Software Engineer Intern**

June 2022 – September 2022

*The Davey Tree Expert*

*Kent, OH*

- Developed internal front-end SPA for the creation and maintenance of Business partners using SAPUI5 (Javascript UI framework)
- Refactored JS promises to async await and other features to ES6
- Improved web application performance by writing concise select queries in oData read calls
- Developed API to fetch Business partner information from backend server and set the client side data model, leading to increase in code readability, ease of debugging and maintenance.

## PROJECTS

### **Playlist** | *MongoDB Express React Node*

Fall 2022

- User authentication (BCRYPT) and authorisation (JWT)
- Password hashing and salting
- YouTube I-Frame API integration with react component.
- React Hooks and Context API.

### **Employee Expense Tracker Android App** | *Java, XML, Android studio*

Summer 2021

- Users can keep track of their expenses along with its category and date
- Model-View-Controller Design Pattern, RecyclerView & CardView
- It is an expense tracker app, custom tailored to my father's need as an Elevator Engineer
- Generate expense invoice PDF using iText library
- Material Design

### **Text Editor** | *Java, JavaFX, CSS*

Fall 2021

- Model-View-Controller design pattern
- dynamic spell-check and input validation
- Edit and create text files
- user authentication
- It also comes with a Markov-Text Generator which is capable of processing text files of 600k words efficiently and generating text that resembles it.

## TECHNICAL SKILLS

**Languages/Tech:** Python , Java , JavaScript, C, HTML5/CSS

**Frameworks:** React, SAPUI5, Express

**Developer Tools:** Git, GitHub, VScode

**Libraries:** JavaFX, MaterialUI

**Database:** MongoDB, MySQL