**YASIR YILMAZCOBAN**

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# EDUCATIONTEXAS A&M UNIVERSITY - College Station, TXAugust 2022 - June 2026

Bachelor of Science, Computer Science - GPA: 3.74

*Relevant Coursework:* Data Structures & Algorithms, Discrete Structures for Computing, Linear Algebra, Program Design & Concepts, Computation Lab, AP Computer Science A, Computer Science: Independent Studies

**SKILLSLanguages:** C/C++, Java, JavaScript, Python, TypeScript, SQL

**Skills:** Agile, Cloud, CSS, Database Administration, Express.js, Firebase, Flask, Git, HTML, JIRA, Linux, Node.js, Oracle DB, Postman, React.js, React Native, REST APIs, Scrum, Selenium, Solidity, Tkinter, UML, Unit Testing

# PROFESSIONAL EXPERIENCE

**TEXAS A&M UNIVERSITY** - College Station, TX | [GitHub Repo](https://github.com/yasirylmzcbn/ZybooksScraper)August 2023 – December 2023

Computation Lab Peer Teacher

* Collaborated with a professor to accelerate instruction for a Python course, enhancing over 120 students’ learning experiences.
* Provided comprehensive support by addressing questions, conducting review sessions, evaluating assignments, and offering weekly office hours to foster a conducive learning environment.
* Built a web scraper to move students’ grades across two learning platforms, avoiding hours of manual work throughout the semester.

**R1649** - Remote/Dallas, TX | [R1649.com](https://r1649.com)June 2023 - Present

Software Engineering Intern

* Deployed an Oracle Cloud database to securely manage client credentials and engineered a Flask-based web application to facilitate seamless CRUD operations for the database.
* Designed and integrated React components into the company’s website, ensuring a cohesive and consistent user experience across all pages.
* Led backend development for the website by designing and implementing a RESTful API with Node.js & Express and overseeing a team of backend and Web3 developers to create an intuitive Algorand wallet dashboard.
* Learned about Web3, DeFi technologies, and creation of smart contracts using Solidity.

# PROJECTS

**Sp/it** - College Station, TXSeptember 2023 - Present

Project Manager

* Leading a team of 15 aspiring software engineers in the development and deployment of a cutting-edge roommate companion mobile app for iOS and Android.
* Established backend infrastructure for the mobile app, harnessing Google’s Firebase in conjunction with React Native Expo.
* Coordinated project progress through Jira, managing backlog, sprint planning, and feature assignments to facilitate my role as the Scrum Master.
* Reviewed pull requests from team members and provided constructive feedback to avoid codebase conflicts.

# IMAGE GENERATING APPARATUS | [GitHub Repo](https://www.github.com/yasirylmzcbn/IGA)March 2023

* Crafted a website and a Chrome extension that utilizes OpenAI’s API to generate images for e-books.
* Employed Flask to construct the website and employed JavaScript to develop the Chrome extension.

**MICROSOFT REWARDS BOT** | [GitHub Repo](https://www.github.com/yasirylmzcbn/MSRewardsBot)April 2021 - Present

* Engineered a Selenium bot to accumulate daily Microsoft Rewards points, earning $500+ via gift cards.
* Maintained and updated the Selenium bot to adapt to evolving structures of the Microsoft website.

# CREDIT CARD NUMBER VALIDATOR | [GitHub Repo](https://github.com/yasirylmzcbn/credit-card-number-validator)September 2020

* Learned and applied the Luhn Algorithm to validate credit card numbers from various companies.
* Employed comprehensive unit tests to ensure all functions were working as intended.

**POWERGRID** | [GitHub Repo](https://github.com/mbugti04/powergrid)December 2019 - May 2020

* Led a team of four individuals to secure 1st place among 25 competing teams by implementing a Java-based board game, enhancing comprehension of various OOP concepts and GUI development.
* Acquired proficiency in implementing Dijkstra’s Algorithm for finding the shortest path within a graph data structure representing the U.S. map.