

# YASIR YILMAZCOBAN

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## EDUCATION

**TEXAS A&M UNIVERSITY** - College Station, TX August 2022 - June 2026  
Bachelor of Science, Computer Science - GPA: 3.7  
*Relevant Coursework:* Data Structures & Algorithms, Discrete Structures for Computing, Linear Algebra, Program Design & Concepts, Computation Lab, AP Computer Science A, Computer Science: Independent Studies

## SKILLS

**Languages:** C/C++, Java, JavaScript, Python, TypeScript, SQL  
**Skills:** Agile, 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](#) August 2023 - Present  
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 June 2023 - Present  
Software Engineering Intern

- Deployed an Oracle 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, TX September 2023 - Present  
Founder & Project Manager & Scrum Master

- Leading a team of 15 aspiring software engineers in the development and deployment of a cutting-edge roommate companion mobile app.
- Established backend infrastructure for the mobile app, harnessing Firebase in conjunction with React Native Expo.
- Coordinated project progress through Jira, managing backlog, sprint planning, and feature assignments.
- Reviewed pull requests from team members and provided constructive feedback to uphold code quality and uniformity.

**IMAGE GENERATING APPARATUS** | [GitHub Repo](#) 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](#) 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](#) 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](#) December 2019 - May 2020

- Led a team of four individuals to secure 1<sup>st</sup> 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 Java-based graph representing the U.S. map.