

Syed Oeshic

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EDUCATION

University of Notre Dame

B.Sc. in Computer Science

Notre Dame, IN

May, 2024

QuestBridge National College Match (Recipient of Full Scholarship College Education)

2018

ENGINEERING PROJECTS

Integrated Engineering & Business Fundamentals

Reverse Engineered Business Strategy Project, Team Member

September-December, 2023

- Reverse Engineered the business strategy of Gucci in a team of 6 members by analyzing company aspirations, industry, competitors, customer segmentation, core competencies, advantages, value chain and finances.

Programming Paradigms

Stock Market Scraping Project, Programmer

January-May, 2023

- Implemented a dynamic stock market scraping web application with object-oriented programming using Flask, HTML, CSS, Bootstrap, Jinja2 template and utilized SQLite and SQLAlchemy for database management.
- Integrated Yahoo Finance API to include real-time market data.

Visual Effects

Animation and Dynamics Project, Designer

August-December, 2022

- Animated and rendered 360 frames (Animation) and 168 frames (Dynamics) HD_1080p video projects and using Autodesk Maya 2022 and DaVinci Resolve in order to implement keyframe animation, path constraints, caching Bifrost Fluid dynamics and forward kinematics rigging using downloadable models.

Data Structures

Snake Game Simulator, Pre-ternship Software Engineer

March-May, 2022

- Collaborated with a team of 4 members to brainstorm and design a simplified custom version of the popular Snake game using Python under the guidance of a project manager.
- Conceptualized game elements including snakes, gameboard, fruits utilizing stacks, nodes, and classes.

Introduction to Engineering Systems

Individual Programming Project, Programmer

March-May, 2020

- Developed an app that animates some disks on a window using some pre-defined functions in MATLAB.
- Designed a GUI that collects inputs and displays the number of disk interactions until stopping criteria are met.

EXPERIENCE

University of Notre Dame

January-May, 2024

AVFX, Teaching Assistant

- Maintained consistent and professional correspondence with students and the professor for 8-12 hrs/week.
- Provided constructive, positive feedback to students inside and outside the classroom in a timely manner.

Burlington Stores

October-December, 2021

Burlington Glen Oaks, Retail Sales Associate

- Expedited hundreds of customers' needs with a positive attitude to ensure a seamless experience.

TechPoint

TechPoint S.O.S. Challenge, Software Engineer

June-July, 2020

- Participated on a multi-disciplinary team to create a solution for the challenges faced by the schools and colleges industry during the COVID-19 pandemic.
- Created a flask-based web application that allows students to login and find study partners.
- Collaborated remotely 20 hours per week to create go-to-market strategy/product prototype.

JPMorgan Chase & Co.

Software Engineering Virtual Experience, Intern

May-June, 2020

- Set up a development environment using the Windows CLI to repair coding issues in a dynamic web application.
- Established financial data feeds, developed frontend of web application and improved data visualization using Python, React, Typescript, Perspective under online mentorship.

TECHNICAL LANGUAGES AND SKILLS

- HTML, CSS, Python, C++, C, Flask, Bootstrap, MATLAB. Familiarity with SQLite, SQLAlchemy, Jinja2 template, React, Typescript, Perspective, Javascript, GitBash, Wireshark, Vim, VSCode.
- MS Office. English, Bengali, French (Novice).