

Derek Yee Moy

derekymoy@gmail.com | github.com/dymoy | dymoy.netlify.app

EDUCATION

University of Texas, Austin, TX

October 2023 - April 2024

Web Development Certificate Candidate, Expected graduation April 2024

University of San Francisco, San Francisco, CA

Aug. 2016 – May 2020

Bachelor of Science in Computer Science, Graduated Magna Cum Laude, 3.84 GPA

- *Awards:* Dean's List (Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018, Spring 2019, Fall, 2019, Spring 2020), President's Academic Scholar (2016-2020)

TECHNICAL SKILLS

- **Relevant Coursework:** C and Systems Programming, Computer Architecture; Computing, Mobile Apps, & Web; Data Mining; Data Structures and Algorithms, Operating Systems, Programming Language Paradigms, Software Development, UX/UI Design
- **Core Skills:** Object-Oriented Programming, Back-End/ Front-End Development, Data Structures and Algorithms
- **Programming Languages:** Java, Python, C, JavaScript, HTML, CSS
- **Programming Skills/ Frameworks:** Multithreading, Git, GitHub, Flask, RESTful API, Node.js, Bootstrap
- **Office Software:** Adobe Illustrator, Adobe Photoshop, Microsoft Office Suite

NOTABLE PROJECTS

Nookly: Recycle Home Items

Feb. 2024

- Built a full-stack application that follows the MVC paradigm in its architectural structure, using Handlebars.js as the templating language, Sequelize as the ORM, and the express-session npm package for authentication
- Implemented Amazon S3 container to store and serve static assets on the deployed application
- *Technologies:* Express, Sequelize, Handlebars.js, AWS SDK, multer S3

MVC Tech-Blog

Feb. 2024

- Fully developed a CMS-style tech blog where developers can publish their blog posts and comment on other users' posts
- Displayed proficiency in managing Sequelize models, handling user-authenticated sessions, and MySQL data manipulation
- *Technologies:* Express, Sequelize, Handlebars.js

ORM E-Commerce Backend

Feb. 2024

- Built the backend functionality of an e-commerce website using Express.js API and Sequelize to interact with MySQL database
- *Technologies:* Express, MySQL, Sequelize, Insomnia

Jukebox: Random Track Generator

Dec. 2023

- Created a full-stack web application that utilizes Spotify Web API for data retrieval and manipulation
- *Technologies:* HTML, CSS, Bulma, Spotify API

Mystikos: A Steganographic Web Application

Jan. – May 2020

- Fully developed a user-friendly Python web tool hosted PythonAnywhere
- Programmed Least Significant Bit method to perform steganography on images and files by encoding and decoding messages
- Implemented pyAESCrypt library to encrypt and decrypt messages before added data security
- *Technologies:* Python, Python Image Library (PIL), Python Magic, Flask, pyAESCrypt, PythonAnywhere, pytest, PyCharm

Search Engine

Jan. – May 2019

- Programmed an Inverted Index with efficient data structures for fast text file and HTML file searches
- Implemented multi-threaded and parallelized search algorithms for improved search run times
- Created a web crawler to fetch html pages and add content to inverted index
- *Technologies:* Java, Eclipse

WORK EXPERIENCE/ LEADERSHIP

Taco Bell Restaurant C.A.R.E, Irvine, CA

May 2022 - Current

Deployment Support Analyst (Apr. 2023 - Current)

L1 Service Desk Analyst (May 2022 - Mar. 2023)

- Facilitate the deployment and installation of upgraded Point-of-Sales hardware and software at 7000+ restaurants
- Provide Tier 1 and 2 technical support for incoming queries involving hardware and software errors, database and reporting management issues, and user misalignment in active directory
- Detect, diagnose, and troubleshoot post-deployment issues involving Point-of-Sales systems and drive-thru menu boards
- Manage correspondence with franchisee regarding escalated field issues related to hardware and software deployments

USFCA Informational Technology Services, San Francisco, CA

Aug. 2019 – May 2020

Help Desk Technician

- Assisted clients with technical and software application issues in person, by phone, and ServiceNow ticketing system
- Perform Windows and Mac computer maintenance and problem-solving
- Completed Tier 1 and 2 technical support including SSO, IAM, backup recovery, and print services