MADISON PHUNG
Software Engineer

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EDUCATION

New York University, Gallatin School of Individualized Study   May 2025
***Bachelor of Arts**, Computer Science*   *GPA: 3.65*
- **Courses:** Algorithms, Data Structures, Computer Systems Organization, Database Design and Implementation, Web Design, Information Design, Discrete Mathematics, Calculus 1

SKILLS

Languages: Java, Python, JavaScript, SQL
Technologies: Node.js, Express.js, Next.js, React, MySQL, MongoDB, Flask, Beautiful Soup, Pandas, Spring Boot, Java Processing, Tailwind CSS, Bootstrap, HTML/CSS
Other: Git, Unix, VSCode, Eclipse, IntelliJ IDEA, Wordpress, LaTex

EXPERIENCE

Texas Union Mortgage   Frisco, TX
Social Media Manager   *May 2022 - Oct 2022*
- Wrote weekly blog plots for the latest closings and developed social content on Instagram, Facebook, and Twitter for closing updates
- Used Pixelmator to create engaging graphic designs for social media posts while working closely with marketing director to maintain a consistent and friendly brand persona

PROJECTS

Golf Stats Management System - API for tracking round statistics for golfers
Java, Spring Boot, MySQL, Node.js, Next.js, React, Tailwind CSS

- Created data retrieval for golf round statistics with basic CRUD operations
- Developed API using Spring Boot Framework and hosted database on MySQL
- Utilized Next.js and NextAuth.js to authenticate users' Google account credentials for login

Chicken Tinder - Web app for discovering restaurants in New York
JavaScript, React, Node.js, Express.js, MongoDB, Axios, Yelp Fusion API

- Created RESTful API endpoints for user and restaurant data management using Express.js connected to a MongoDB database
- Integrated Yelp Fusion API to fetch and display restaurant data to users
- Developed secure user authentication using JWT and bcrypt for user account management and data security

Fantasy Football API - API for fantasy football player recommendations
Python, Flask, Beautiful Soup, Pandas, Bootstrap

- Created a web scraper with Beautiful Soup to extract statistics from FantasyPros sports website
- Calculated recommendation ratings for each player based on relevant statistics
- Display dynamic data using the Bootstrap library to build a sleek user interface

EXTRACURRICULARS

BUGS@NYU   Feb 2023 - Present
Member
- Collaborates with other students to develop my own projects
- Contributes to open source projects for the club

NYU Women in Computing   Feb 2023 - Present
Member
- Acquires knowledge of new technologies and industry information through event workshops and company panels

NYU Women's Golf Team   Aug 2021 - Present
NCAA DIII Athlete
- Commits an average 15+ hours per week for practice, travel, and tournaments while managing course load
- WGCA Division III All-Region East Team (2021-2022), All Liberty League Second Team (2021-2022), Team Finished 8th at the NCAA DIII Women's Golf National Championship (2022), Placed 1st individually at the St. Lawrence Invitational
- Holds the NYU women's golf record for lowest single-round and lowest 36-hole tournament score