WEITONG DU (IRIS)

PERSONAL LINK & AWARDS

September 01, 2021: Awarded a University of Alberta Undergraduate **Scholarship** September 01, 2021: Awarded a Canadian Information Processing Society **Scholarship**
Github: https://github.com/irriss-nn
Portfolio: https://irriss-nn.github.io/

PROJECTS

Software Process & Product Management, 01/2022 - 04/2023
Project: PathFinder Client: SkillCity - Edmonton, AB

- As the main contributor (full-stack) of this project, I developed a comprehensive platform aimed at helping young people discover and access career opportunities. I developed both the backend and frontend functionalities for company users, enabling them to post, view, edit, and delete opportunities. Additionally, I implemented a filtering system to sort recommended applicants based on their profiles.
- **Technologies used**: Next.js, React, Django, Node.js, RESTful APIs, HTML, CSS, JavaScript, Docker, Cybera, Tailwind, Jest, PostgreSQL
- **Watch Demo:** https://www.youtube.com/watch?v=8e2EL78Grx0

CMPUT404-Web Applications and Architecture, 08/2022 - 12/2022
Project: Social Distribution - University of Alberta, Edmonton, AB

- Developed a user-friendly social media platform designed for sharing photos and fostering meaningful interactions through comments and discussions. The app allows users to create and customize their profiles, post images, and engage with others through comments and likes.
- **Technologies used**: JinJia2, FastAPI, HTML, CSS, JavaScript, Docker, Heroku, MangoDB

Flask, 09/2022 - 12/2022
Project - University of Alberta, Edmonton, AB

- This program is to create a basic web application backend using Flask.
- **Technology**: Flask

CMPUT 466 - Machine Learning, 01/2023 - 04/2023
Project: Classifiers - University of Alberta, Edmonton, AB

- Implemented and compared three machine learning classifiers – Logistic Regression with Stochastic Gradient Descent (SGD), K-Nearest Neighbors (KNN), and Support Vector Machines (SVM) – to predict the balance scale state based on the given features. The project aimed to evaluate the

CONTACT

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SKILLS

- HTML
- CSS
- JavaScript
- Flask
- TypeScipt
- Python
- C
- Java
- Django
- FastApi
- Node.js
- Restful Api
- Next.js
- Angular
- React
- Tailwind
- Bootstrap
- JinJia2
- DeepSource
- Sentry
- Docker
- Cybera

performance and suitability of different classification algorithms for the given dataset.
- **Technologies used**: Python, scikit-learn, NumPy, pandas

Nodejs-WebSocket, 09/2022 - 12/2023
Project - University of Alberta, Edmonton, AB

- This is a basic Phaser game with WebSocket connectivity for real time server to client communication.
- **Languages:** TypeScript73.9% , JavaScript23.7%, HTML2.4% (Data analyzed by github)

Authentication, 09/2022 - 12/2023
Project - University of Alberta, Edmonton, AB

- Use the different HTTP authentication schemes provided in Django Rest Framework.
- **Languges:** Python99.4% , HTML0.6% (Data analyzed by github)

AJAX, 09/2022 - 12/2022
Project - University of Alberta, Edmonton, AB

- This program allows numerous clients to connect and draw on the same surface and share the drawing they have made with anyone who is currently on.
- **Languages:** JavaScript50.3% , HTML28.6%, Python19.2% , Dockerfile1.5%, Shell0.4% (Data analyzed by github)

CSS_HELL, 09/2022 - 12/2022
Project - University of Alberta, Edmonton, AB

- UI design using HTML & CSS
- **Languages:** HTML ,CSS

Web Client, 09/2022 - 10/2023
Project - University of Alberta, Edmonton, AB

- This project is to build a partially HTTP 1.1 compliant HTTP Client that can GET and POST to a webserver.
- **Languages:** Python95.4% , Dockerfile4.6% (Data Analyzed by github)

TV Shows , 01/2023 - 03/2023
TV Shows Database - University of Alberta, Edmonton, AB

- This project is to build a REST API and deploy it to a Cybera Rapid Access Cloud instance.
- **Technologies used:** Django Rest Framework, Cybera

EDUCATION

Bachelor of Science, **Specialization in Computing Science**, **Expected in 06/2023**
University of Alberta - Edmonton, AB

- Heroku
- Agile
- Git
- JUnit
- Gradle
- Jest
- Figma
- Android Studio
- Visual Studio
- Linux
- MatLab
- Numpy
- Pandas
- Scikit-learn
- SQLite
- PostgreSQL
- MongoDB
- Database Management
- TDD
- Product Management
- Human Computer Interaction
- Software Quality
- App Development
- A/B Testing
- Responsive Design Approaches