Kalden Yugyel Dorji

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EDUCATION

Manhattan College **Bronx, New York**
BS in Computer Science (Magna Cum Laude) September 2020 - May 2024

- **GPA:** 3.7 / 4.0
- **Honors:** Dean's List for all four years of college (2020-2024)

WORK EXPERIENCE

Pollentia Inc. **Texas, USA**
Data Science Intern March 2024 – July 2024

- Conducted research on collision avoidance and navigation, leading to a 25% increase in route efficiency for simulated boat paths by integrating advanced algorithms and real-time data analysis.

- Implemented A* and Dijkstra pathfinding algorithms, achieving a 30% reduction in computation time for route optimization, which improved responsiveness in simulated scenarios and enhanced overall navigation accuracy.

PlaytestCloud **Berlin, Germany**
Software Tester April 2021 – April 2024

- Collaborated closely with developers to implement feedback-driven improvements, enhancing user experience and streamlining the troubleshooting process during various stages of software development.

- Configured diverse Android testing environments to facilitate comprehensive evaluations of software performance, resulting in improved troubleshooting capabilities and the timely identification of potential issues before release.

L.L.Bean Inc. **Yonkers, New York**
Retail Associate August 2021– January 2023

- Delivered exceptional customer service by leveraging effective problem-solving skills, resulting in a significant reduction in response time to customer inquiries and a noticeable increase in customer satisfaction ratings.

- Provided comprehensive training on POS systems and company policies to co-workers, leading to increased team productivity and a marked improvement in customer experience, as evidenced by positive feedback and reduced transaction errors.

PROJECTS AND PUBLICATIONS

Dorji, K. Y. *(2024). "Computational Technique To Assure Quality of Medical Terminologies."*

- Utilized Word2Vec in Python to analyze SNOMED CT medical terms, identifying critical gaps in terminology that, when addressed, can enhance data clarity and improve patient care outcomes in healthcare informatics.

AR Campus Navigation Application

- Automated the retrieval and storage of class schedule data using Python web scraping, populating a SQLite3 database for streamlined access and improved data management.

- Leveraged Unity Engine, Polycam, and Blender to create accurate 3D models of campus buildings and landmarks, enhancing intuitive navigation through augmented reality.

- Developed dynamic UI elements and interactive features in Unity, including dropdown menus and data persistence via PlayerPrefs, optimizing user experience and simplifying account page management.

Weather Application

- Leveraged React to integrate real-time API data retrieval, enhancing user experience with up-to-date weather forecasts. Implemented the React Accessible Accordion, resulting in a streamlined, accessible interface that improved user engagement and clarity for a 7-day weather outlook.

Instructor Database

- Developed a GUI-based infosystem in both Java and Python that reads data from text files, includes radio button queries, and implements a dynamic layout adjustment.

Keylogger

- Developed a comprehensive keylogger application in Python capable of capturing keystrokes, system details including OS version, clipboard data, and screenshots, with automated email functionality to send collected information as attachments for review to designated email addresses.

TECHNICAL SKILLS AND CERTIFICATIONS

Technical Skills: C++, Python, Javascript, HTML, CSS, React, and C#

Certifications & Training:

Coursera: Technical Support Fundamentals [Jun 2021]

MCISSE CyberPatriot: Tech Caregiver [Jul 2021]

Coursera: Operating Systems and You [Aug 2021]