BENJAMIN YEN KIT LEE

Phone: 515-735-8885 Email: ben970128@gmail.com Linkedin: linkedin.com/in/benjamin-lee-776b11150

EDUCATION & CREDENTIALS

Iowa State University, Iowa, USA

Master of Science in Computer Science (Jan 2022 – Dec 2023)   GPA: 3.93 / 4.00
Bachelor of Science minor in Computer Science (Aug 2021 – Dec 2021)   GPA: 3.83 / 4.00
Bachelor of Science major in Civil Engineering (Aug 2016 – May 2019)   GPA: 3.40 / 4.00
Dean's List: *SPRING 2022, FALL 2022, SPRING2022, FALL 2021, FALL 2018, FALL 2016*

WORK EXPERIENCE

Iowa State University, Iowa, USA   Aug 2023 – Dec 2023
AI Research Assistant, Python, Matplotlib, PyTorch, Tensor Flow, Java
- Developed a pipeline for processing Java source code, training it on Hugging Face's Large Language Models, focusing on extraction and processing of activations records.
- Utilized GPT-4 for advanced data processing by improving quality and accuracy of data processing and analysis, transforming complex activation records into comprehensive explanations of neuron behaviors.
- Played a vital role in interpreting and communicating these findings, making them accessible and understandable to PhD students and AI professors, thereby facilitating advanced research and learning.

FootfallCam, Malaysia   **May** 2023 – Aug 2023
Software Engineer Intern (AI team), Python, Bash Scripting, Selenium, OpenCV
- Collaborated with other functional teams (business and sales) to develop and implement automation scripts using Selenium for scraping data, significantly reducing repetitive tasks and improve efficiency.
- Wrote Python scirpts to automate video processing in the CI/CD pipeline, enhancing the quality of data fed into computer vision models by reducing noise.
- Collaborated with fellow data science intern on a final project for forecasting sales, successfully implementing new features to production for the data analytic team.
- Actively participated in department meetings, contributing ideas for process improvement and automation strategy.

Charity Job, Malaysia   **June** 2022 – Aug 2022
Front-End developer Volunteer Intern, HTML, CSS, Javascript, Typescript, Bootstrap, ReactJS, MySQL, MondoDB
- Translate designs into high-quality code using HTML, CSS and Javascript.
- Worked closely with developers and other cross-functional teams on designing updates to sites and blogs, improving user experiences and client satisfaction.
- Used Typescript to build responsive, accessible and dynamic web pages to allow users to easily navigate sites.
- Collaborated with UI/UX designers to enhance quality of visualization of websites using Bootstrap.

Iowa State University, Iowa, USA   Jan 2022 – May 2023
Data Analyst
- Partnered directly with Iowa Department of Natural Resources to develop and implement a comprehensive budget proposal for the state, ensuring alignment with both state and federal financial guidelines.
- Led the collection and evaluation of budgetary data from all counties, improving accuracy in budget formulation.
- Collaborated closely with the United States Environmental Protection Agency (EPA) to ensure reliability of information provided, enhancing the state's ability to secure necessary funding.
- Played a key role in communicating with cross-departmental teams and stakeholders, contributing to strategic planning and decision-making processes, allowing EPA to accept $12.98 billion funding proposal for wastewater.

AECOM, Texas, USA   Aug 2019 – July 2021
Entry Level Engineer
- Collaborated effectively with stakeholders and clients to perform detailed engineering design and calculations, ensuring project specifications and client requirements are met.
- Developed accurate cost estimations, contributing to the financial planning and budgeting of projects.
- Prepared and presented PowerPoint proposals to clients, playing a key role in providing solutions to client's problem, securing new projects, and maintaining client relationships.

PROJECT

Personal Website Hosted on AWS, HTML, CSS, Javascript, AWS (S3, CloudFront, Route 53, Lambda, CodePipeline)
- Developed a fully functional static website, focusing on creating a user-friendly interface and responsive design.
- Leveraged AWS for hosting and managing website assets with scalable object storage service, implementing HTTPS and CI/CD deployment to streamlined development process with efficient version control.