

BENJAMIN YEN KIT LEE

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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

Graduate Research Assistant

Aug 2023 – Dec 2023

Iowa State University, Iowa, USA

- Developed Python scripts for processing Java source code to labeled data and training the dataset on Hugging Face's Large Language Models, with the focus on extraction and processing of 10,000+ activations records.
- Improved quality and accuracy of data interpretability and analysis by 35% by utilizing GPT-4 API to transform complex activation records into comprehensive explanations of neuron behaviors.

Software Engineer Intern (AI team)

May 2023 – Aug 2023

FootfallCam, Malaysia

- Collaborated with other functional teams (business and sales) to develop and implement automation scripts using Selenium for scraping data, resulting in reduction in data collection time by 530 hours/year.
- Automate video processing in the CI/CD pipeline, enhancing the quality of data fed into computer vision models.
- Engaged with data science team to explore Marketing Mix Modeling and forecasting models for sales prediction.
- Implement web scraping solutions to extract data from various websites and store them in databases.

FrontEnd Developer Intern (Volunteer)

June 2022 – Aug 2022

CharityJob, Malaysia

- Worked closely with developers and other cross-functional teams on implementing updates to sites and blogs, improving user experiences and client satisfaction.
- Used HTML, CSS and 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 new frameworks.

Data Analyst

Jan 2022 – May 2023

Iowa State University, Iowa, USA

- 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.
- 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 evaluation of budgetary data from 99 counties, improving accuracy in data collection.

Entry Level Engineer

Aug 2019 – July 2021

AECOM, Texas, USA

- 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 of \$1.6 billion construction project, contributing to the financial planning and budgeting of projects.
- Secured 8 new design projects by providing engineering solutions to potential clients.

PROJECT

Personal Website Hosted on AWS

- Developed a fully functional static website, focusing on creating a user-friendly interface and responsive design using HTML, CSS and JavaScript.
- 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.

SKILLS

Software: HTML, CSS, JavaScript, TypeScript, Java, Python, C#, MySQL, MongoDB, R

ML/AI: PyTorch, TensorFlow, Matplotlib, OpenCV, NumPy

Cloud: AWS (S3, CloudFront, Route 53, Lambda, CodePipeline)