

Thomas Ting Yat Yeung

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EDUCATION

California State University, Los Angeles
Master of Science in Computer Science

Admitted, Begins Aug 2024

California State University, Los Angeles
Bachelor of Science in Computer Science

Expected May 2024
GPA: 3.9

TECHNICAL SKILLS

Coding Languages: Python, C, C#, C++, Java, Javascript, PHP, AJAX, SQL, NoSQL, PostgreSQL, CSS, HTML
Frameworks: LangChain, Llama2, Hugging Face, Bootstrap, jQuery, ExpressJS, Node.js, Django, ASP.NET, WebGL
Machine Learning: PyTorch, Panda, Numpy, ANN, CNN, SVM, PCA, SKLearn, XGBoost, Bagging, GridSearch

PROJECTS

Invasive Species Monitoring | Kaggle

Mar 2024 - Apr 2024

- Developed a predictive model for identifying invasive hydrangea species using a dataset of over 2,000 images.
- Employed OpenCV for image processing, converting images into Numpy arrays for data manipulations.
- Utilized SKLearn to effectively split the dataset into training and testing sets, ensuring robust model validation.
- Designed and implemented a Convolutional Neural Network (CNN) using TensorFlow and Keras, incorporating advanced techniques such as convolutional layers, max pooling, and dropouts regularization to enhance model performance.
- Applied data augmentation techniques to improve model generalization and prevent overfitting.
- Achieved a model accuracy of 94% and an AUC of 98%, demonstrating strong predictive capabilities.

Student Assistant AI Chatbot | CalStateLA

Sept 2023 - Apr 2024

- Enhance accessibility to academic resources for students and advisors for the College of Computer Science & Technology.
- Implemented a feature allowing professors to upload syllabus, lecture PDFs and notes, significantly improving the chatbot's reference capabilities and academic support.
- Utilized technologies such as Python, MySQL, Pinecone, Gradio, BeautifulSoup, LangChain, and OpenAI API.

AWS Website AI Chatbot | CalStateLA

Sept 2023 - Dec 2023

- Developed an AI chatbot for website integration, enhancing customer service with real-time interaction.
- Implemented AWS technologies such as VPC, EC2, SQS, Lambda, and OpenSearch for scalable and efficient performance.
- Employed PHP, Python, JavaScript, CSS, HTML, BeautifulSoup, OpenAI API, LangChain, and Bootstrap.
- Successfully combined technical proficiency with innovative AI application, resulting in a user-friendly, scalable, and efficient web-based AI assistant platform.

EXTRA CURRICULAR

Artificial Intelligence Research Club | CalStateLA

Feb 2024 - Present

- In-depth research of different large language model (LLM) engines such as Lamini, Cohere, LangChain, and ChatGPT.
- Explored fine-tuning existing models using Lamini, and prompt engineering using OpenAI and Llama.

STEM Advantage Scholars | STEM Advantage

Nov 2023 - Present

- Awarded STEM Advantage Scholarship for outstanding academic achievement.
- Engaged in development workshops and events aimed at enhancing career readiness and leadership skills in the STEM field.
- Benefitted from one-on-one mentorship with industry professionals, gaining insights and guidance tailored to my aspirations.

WORK EXPERIENCE

Refined Edge Design | Monterey Park, CA

Oct 2010 - Dec 2023

Web Designer & Developer, and Technical Support

- Developed and maintains company's order processing website, streamlining daily order processing operations and optimizing accountants' workflow through the automation of data calculation and seamless integration with QuickBooks.
- Implemented online shopping cart software including but not limited to X-Cart, WooCommerce, and Shopify.
- Designed and developed order management software capable of integrating with various e-commerce websites (e.g., eBay, Amazon, Etsy), Square retail orders, Stamps.com for shipment export, and QuickBooks for seamless communication.
- Technologies used including PHP, JavaScript, CSS, HTML, Bootstrap, and MySQL.
- Works closely with the accounting department to implement most seamless and up to date integration with QuickBooks.
- Maintains and manages dedicated server, answers technical support phone calls and emails.

Keck Medicine of USC, Plastic & Reconstructive Surgery | Los Angeles, CA

Mar 2007 - Jun 2009

Contract Web Designer & Developer

- Led the management and maintenance of the department's website, acting as the primary point-of-contact for any updates for the website and overseeing any projects related to website changes.
- Designed and implemented a new intranet portal for doctors to easily report and share notes after a surgery internally, along with the capability for staff to schedule doctors according to their hours and availabilities.
- Technologies used including PHP, Javascript, CSS, HTML, jQuery, and MySQL.