

# Huey Phan

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github.com/ichomchom

## Summary

Innovative Software Developer with 5+ years of experience in full-stack development, API integration, and database management. Proven ability to lead projects, automate workflows, and enhance system performance, demonstrated by achievements like boosting database performance by 60%. Adept in a wide range of technologies including Python, Go, React, and Salesforce, with a strong foundation in cloud technologies and Agile methodologies.

## Education

The University of Texas at Austin, MS in Artificial Intelligence – Austin, TX Jan 2025 – May 2027

Jan 2025 – May 2027

**California State University, San Bernardino**, BS in Computer Science – San Bernardino, CA Sept 2014 – Dec 2017

# Experience

**Programmer Analyst**, Pasadena City College – Pasadena, CA Sept 2021 – present

- Designed and implemented a microservices architecture using Go (Golang) and React to handle 40k+ concurrent users for student data portals.
  - Integrated GraphQL APIs with Oracle Database to reduce query time by 60% and improve real-time data accessibility.
  - Spearheaded the migration of legacy monolithic systems to containerized Docker and Kubernetes (K8s) clusters, enhancing system scalability and deployment speed.

**Software Developer**, Cloudsquare – Woodland Hill, CA Jan 2020 – Sept 2021

- Developed custom Salesforce applications using Apex, Lightning Components, and Visualforce, improving business process efficiency and user workflows.
  - Built a real-time face detection pipeline using TensorFlow Lite and Raspberry Pi to demonstrate edge-AI capabilities for client demos.
  - Integrated complex third-party APIs (Microsoft Graph, Plaid, Reuters) into scalable backend systems.

Database Administrator, ADR Services, Inc. – Los Angeles, CA July 2018 – Jan 2020

- Optimized query execution plans for Oracle databases, reducing table scans and boosting retrieval speeds by 60%.
  - Developed Python-based ETL (Extract, Transform, Load) pipelines to automate data governance and integrity checks.

# Projects

SuperTuxKart AI Jan 2025

Built CNN/Transformer models for classification, segmentation, detection; trained an autonomous driving agent.

Autoregressive Image Generation June 2025

Decoder-only Transformer that generates images token-by-token from a quantized codebook (BSQ/VQ). Trained end-to-end on SuperTuxKart frames.

Class Search Portal & Hub Aug 2024

React + Go middleware over vendor GraphQL/REST. Card-based results, filters that scroll with the cursor. Serving 40k+ users.

## Publications

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**The Challenge of Debiasing NLI Models: Why Hypothesis-Only Confidence is Insufficient**

Jan 2026

Huey Phan

[10.31224/6210](https://arxiv.org/abs/2201.06210) (enrxiv)

## Skills

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**Languages:** Python, Javascript, Golang, Java, C#, SQL, Apex

**ML Frameworks:** PyTorch, LoRA, HuggingFace, CNNs, CLIP, Quantization, Transformer, Autoregressive

**Infrastructure:** Docker, AWS, Azure