

Huey Phan

📍 Claremont, CA

📞 [626-548-0697](tel:626-548-0697)

@ phan.huey389@gmail.com

🔗 <https://ichomchom.github.io/>

Skills

Programming Languages

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Python, Go, JavaScript, Java, C#, SQL, PL/SQL, Apex, Shell Scripting

Frameworks & Libraries

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React, Node.js, Django, Flask, Express.js, PyTorch, NumPy, Pandas

Databases

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Oracle, MongoDB, Firebase

Tools & Platforms

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Git, Docker, Ansible, Salesforce, Heroku, Banner, RESTful APIs, GraphQL

Methodologies

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Agile Project Management, Data Analysis, System Administration

Certifications

Salesforce Certified Administrator

Salesforce Certified Platform Developer I

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.

Experience

Pasadena City College **Sep 2021 - Present**
Programmer Analyst
Pasadena, CA
🔗 <https://pasadena.edu/>

- Led the development of a student and staff portal using React and GraphQL, enhancing user experience and data accessibility for over 20,000 users.
- Spearheaded API integrations with Oracle Database, streamlining data workflows and improving system performance by an estimated 25%.
- Designed and implemented a Class Schedule web application using Go and React, acting as a robust middleware for vendor API services.
- Optimized faculty network operations and managed instructional computing labs, ensuring seamless connectivity and supporting database configurations and hardware setup.

Cloudsquare **Jan 2020 – Sep 2021**
Software Developer
🔗 <https://cloudsquare.io/>

- Developed custom Salesforce applications using Apex, Lightning Components, and Visualforce, improving business process efficiency and user workflows.
- Integrated third-party APIs including Microsoft Graph, Thomson Reuters CLEAR, and financial data providers (Plaid, Experian, Equifax), expanding application functionality.
- Engineered and built a proof-of-concept face detection system using Raspberry Pi, TPU, and TensorFlow, demonstrating innovative AI-driven solutions.

ADR Services, Inc. **July 2018 – Jan 2020**
Database Administrator
Los Angeles, CA
🔗 <https://www.adrservices.com/>

- Enhanced database performance by 60% through strategic query optimization and indexing.
- Established and enforced data governance policies to ensure data integrity and compliance with industry standards.
- Developed custom reports and data extraction solutions to support business intelligence efforts and executive decision-making.

California State University, San Bernardino **June 2017 – Dec 2017**
Jr. System Administrator
San Bernardino, CA
🔗 <https://www.csusb.edu/>

- Managed Unix/Linux systems and deployed automation scripts in Shell and PowerShell, reducing manual intervention for routine tasks.
- Utilized Ansible and Docker to streamline system deployments and updates, improving system reliability and deployment speed.

Education

The University of Texas at Austin **Jan 2025 - Present**
Artificial Intelligence
Master of Science
Deep Learning

- Built Convolutional Neural Networks (CNN), Transformer, and Multi-Layer Perceptron (MLP) models for *SuperTuxKart* dataset to perform image classification, segmentation, and object detection.
- Developed an autonomous driving system for *SuperTuxKart* using CNN, Transformer, and MLP architectures.
- Implemented deep networks for road and object detection with custom pooling and attention mechanisms.

Advanced Deep Learning

- Implemented 4-bit quantization and LoRA fine-tuning for BigNet in half precision.
- Trained an autoregressive image generation model from scratch on *SuperTuxKart* images.
- Fine-tuned language models (SmolLM2, HuggingFace) for unit conversions using in-context learning, supervised fine-tuning, and rejection sampling fine-tuning.
- Trained and fine-tuned vision-language models (VLM, CLIP) on *SuperTuxKart* dataset for cross-modal retrieval.

California State University, San Bernardino **Sep 2014 - Dec 2017**
Computer Science
Bachelor of Science