

HUYNH DO

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AI / MACHINE LEARNING ENGINEER Full-stack engineer with 18+ years building production systems, now focused on applied **Machine Learning & NLP** for an **AI-driven Applicant Tracking System (ATS)**. Designs, trains, and ships ML models in **Python (scikit-learn)** – resume parsing & skill extraction, intent & interview-evaluation classifiers, conversational-AI scheduling, and content-moderation models – and serves them through a **Flask API** with full training pipelines, evaluation reporting, and **MLOps** deployment. Combines deep software engineering (PHP, C#, React, SQL, REST APIs) with **Whisper speech-to-text** and real-time **WebRTC** interview tooling to turn recruiting workflows into automated, data-driven products – contributing to AI-assisted recruiting workflows that helped support growth from 400 to 800 partner offices in a few months. Self-motivated problem-solver who thrives in fast-paced environments and rapidly masters new technologies.

AREAS OF EXPERTISE

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|---|---------------------------------------|---|
| ✓ <i>Machine Learning & NLP</i> | ✓ <i>Model Training & MLOps</i> | ✓ <i>Cross-functional Collaboration</i> |
| ✓ <i>Conversational AI & Chatbots</i> | ✓ <i>Project Management</i> | ✓ <i>Version Control Systems</i> |
| ✓ <i>Testing & Debugging</i> | ✓ <i>Resume Parsing & Scoring</i> | |
| | ✓ <i>Back-End Development</i> | |
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PROFESSIONAL EXPERIENCE & ACCOMPLISHMENTS

eStream – Remote, CA

08/2024 – Present

AI / Machine Learning Engineer (Full-Stack)

- As part of the AI engineering team, contributed to the **AI-assisted initial booking & auto-scheduling service** – including an **AI voice assistant** that collects candidate availability in parallel – replacing recruiters' manual one-by-one calling; a **key enabler in scaling the platform from 400 to 800 partner offices** in a few months.
- Built the **candidate self-scheduling web interface (PHP MVC)** that surfaces open interview slots from each office's configured availability – working-hour blocks, holidays, excluded days, and per-slot capacity – and **auto-assigns each booking to an available recruiter**, enforcing capacity to balance load and **prevent double-booking collisions**.
- **Architected an automated candidate screening pipeline**, utilizing **Scikit-learn** to extract structured data from unstructured resumes and a **database-configured decision tree**, enabling recruiters to adjust hiring criteria in real-time.
- Built a reusable **TF-IDF + logistic-regression pipeline** and applied it across recruiting tasks – **conversation intent & next-action, end-of-interview verdict + human-handoff, and content/toxicity moderation** – each trained from labeled historical data, with **Whisper speech-to-text** feeding the interview model and NLP date/time & slot parsing driving auto-scheduling.
- **Engineered the MLOps pipeline and Flask-based model serving layer**, bridging **asynchronous voice-to-text processing (Whisper)** with **real-time WebRTC interview interfaces**.

Jondo.com – Yorba Linda, CA

04/2021 – 08/2024

Web Developer

- Served primarily as a **backend developer** utilizing **PHP, jQuery**, and the **React JavaScript library**, focusing on **system enhancements and maintenance**.
- Designed and maintained **APIs** to facilitate seamless **integration** for **customers**, ensuring **efficient communication** and **functionality** within **systems**.
- Leveraged **UPS and FedEx APIs** to optimize printing locations, minimize shipping costs, and validate destination addresses for accurate order shipments.
- Enhanced the **customer Web Portal** with **new features** and improved **logic** using the **React JavaScript library**, empowering internal staff to efficiently manage customer **interactions and data**.

- Developed and refined **features** within the internal order page **dashboard**, enabling printing workers to monitor and **update** order **statuses** throughout the entire order cycle.
- **Collaborated** with web developers on **multi-phase assignments**, fostering **teamwork** and **synergy** to achieve **project objectives**.
- Utilized **GitHub** as the primary **code repository** for daily **code management** and **version control**, supporting seamless **collaboration** and **code maintenance practices**.

Smarthome.com – Irvine, CA

06/2014 – 03/2020

Magento Developer

- **Updated** and maintained the company **website** using the **Magento platform** by developing **new features** and **modules** aligned with **marketing and IT department needs**, modifying **third-party modules** to meet company **requirements** while providing weekly **updates** and issue **reports directly** to the **CIO**.
- Translated and migrated **C#** and **VB.net code** to the **Magento eCommerce platform** to consolidate **systems** for improved **efficiency** and **integration**.
- Improved **Magento product list module** with custom stock availability **logic** via **Ajax** calls, optimizing **page loading speed** and **user experience**.
- Established **shell scripts** for updating product pricing, generating **XML feeds** for third-party consumption, and managing shipping status to streamline **data processes**.
- Created an "Ordered Product Review" module allowing **customers** to review multiple products simultaneously, enhancing **user engagement** and **feedback capabilities**.
- Constructed **modules** to capture and analyze **Google Analytics** events related to **customer actions** such as "Add to Cart," "Product Click," and "Check Out Step," enhancing **customer engagement strategies**.
- Implemented a new "Customer Purchasing Pattern" **feature** and a scheduled **banners module**, introducing **automated scheduling** of **promotional banners** based on specific dates, ranges, or seasons.

PROFESSIONAL EXPERIENCE & ACCOMPLISHMENTS CONTINUED

- Enhanced the **Serial INSTEON PowerLinc Modem**, enabling **PC- and hardware-based automation controllers** to manage **Insteon-compatible devices** directly through the **Insteon network**.
- Upgraded the **web interface** for sending **commands** to **registered devices**, utilizing **C++** to develop and augment **logic** for **existing features**, improving **user interaction and control**.
- Built a **web interface** for sending **commands** to **registered devices**, focusing on optimizing **user experience** and **functionality** within the **PLM system**.

ICDC College – Los Angeles, CA

02/2012 – 06/2014

Web Developer

- Contributed to the **development** of **www.fercpe.com**, a **platform** offering approved continuing education for Certified Public Accountants, utilizing **OOP PHP** with an **MVC design** and **Ajax** for dynamic **functionality** and enhanced **security** through **SQL stored procedures**.
- Revamped the main student **portal**, **my.icdccollege.edu**, from **procedural code** to **PHP OOP** with an **MVC architecture**, enabling students to access academic **progress**, **alerts**, profile **updates**, resume building, and career services.
- Spearheaded the redesign of **go4CEU.com** to **PHP OOP** with an **MVC pattern**, introducing **new features** such as seat transfers and dynamic certificate creation and download capabilities.
- Implemented **database-driven web applications** with **Ajax integration** for seamless **data processing** and leveraged **SOAP protocols** for **web service communication**, bolstering **data handling and protection** against **SQL attacks**.
- Conveyed **design strategies**, provided **project updates**, and reported **progress** to the **Project Manager** and **Vice President of Technology and Business Logic** weekly.

Western Digital Corporation – Lake Forest, CA

05/2006 – 08/2010

Application Developer

- Established and maintained an **intranet Web Portal** utilizing **PHP**, **Perl**, and **Ajax**, enhancing **accessibility** to the **build system** through a user-friendly **web interface**.

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- Integrated **web front-end** with multiple **database systems** (MSSQL, MySQL, and Oracle) to create a cohesive **interface** for monitoring daily **build activities** and **statuses** efficiently.
 - Introduced **Build Automation** in Perl with a **web management interface**, streamlining processes and enhancing **automation capabilities**.
 - **Collaborated** with DBA to optimize **Daily Build back-end processing** using MSSQL and MySQL, ensuring accurate **tracking** of diverse **build information**.
 - Provided timely **solutions** to common **build failures** in close **collaboration** with the **program manager**, contributing to improved **efficiency** and **productivity**.
 - Led the **consolidation** of **platforms** into a unified **system** using C# and **Microsoft SQL Server**, optimizing processes and enhancing overall **system performance**.
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EDUCATION & TRAINING

Bachelor of Science (BS), Computer Science: California State University

Magento Training: Smarthome.com

TECHNICAL SKILLS

Programming Languages: Python | PHP 5 to 8 | C# | SQL | JavaScript

AI/ Machine Learning: scikit-learn | NLP | TF-IDF | Logistic Regression | faster-whisper (Speech-to-Text) | Model Training & Evaluation | MLOps

Platform: Flask | React | Symfony | Magento

Library: Node.js | jQuery | Bootstrap | PyMySQL

EDI Tools: Microsoft Visual Studio | PHP Storm Editor

Repository: GitHub | SVN

Databases: MSSQL | MySQL

Operating Systems: Windows | Linux Ubuntu