

# Tyler Hill

AI Architect & Web Developer | Long Beach, CA | [hello@tylerhill.info](mailto:hello@tylerhill.info) | [tylerhill.info](http://tylerhill.info) | [linkedin.com/in/tylerhill](https://linkedin.com/in/tylerhill) | [github.com/tyy130](https://github.com/tyy130)

## Summary

AI architect and automation specialist bridging traditional web development with emerging AI technologies since 2019, leveraging over a decade of web development experience (since 2013). Proven ability to design and implement intelligent systems, custom web solutions, and automation workflows that transform business operations. Expertise in LLM integration, Python, WordPress, and full-stack development, serving businesses in Long Beach and across Southern California.

## Skills

### AI & Automation

- LLM Integration (OpenAI API, Claude, etc.)
- Natural Language Processing (NLP) Concepts
- Python for AI/ML (Scikit-learn, Pandas)
- Machine Learning Concepts & Application
- Automation Architecture & Workflow Design (Make, Zapier, Custom Scripts)
- API Integration & Development (RESTful APIs)

### Web & Cloud Technology

- Full-Stack Web Development
- PHP (WordPress Expert, Laravel Basics)
- JavaScript (Vanilla ES6+, Node.js Basics)
- HTML5 & Modern CSS3 (Responsive Design)
- Cloud Platform Fundamentals (AWS/GCP Basics)
- Database Design & Management (SQL - MySQL/PostgreSQL)
- System Architecture Design

### Digital Solutions & Strategy

- Custom WordPress Development & Plugin Customization
- Content Management Systems (CMS) Strategy & Implementation
- Business Process Automation Analysis & Strategy
- Digital Transformation Consulting
- Technical Project Management & Leadership
- Data Analysis for Business Insights

# Professional Experience & Key Projects

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**Web Developer & Automation Specialist (Freelance/Consultant)** Long Beach, CA | 2013 - Present

## **Santa Monica Next - Digital Transformation**

Led the technical modernization of the local news publication, implementing automated workflows and updated content management solutions. Improved site performance, user experience, and publishing efficiency while preserving brand identity.

*Technologies: WordPress, Automation Tools, Digital Publishing, CMS Migration*

## **Longbeachize - Platform Modernization**

Executed a complete technical overhaul, rebuilding the digital infrastructure for improved performance and scalability. Implemented streamlined content management processes and automated publishing workflows.

*Technologies: Digital Infrastructure, WordPress, Content Management, Automation, Performance Tuning*

**AI Architect & Developer (Freelance/Consultant)** Long Beach, CA | 2019 - Present

## **FitNeuron AI Personal Trainer (Concept/Development)**

Architected an AI-powered personal training platform concept focused on hyper-personalization using adaptive learning algorithms. Designed systems to analyze user patterns, preferences, and physiological responses to tailor fitness programs dynamically.

*Technologies: AI/ML Concepts, Adaptive Learning, Python*

## **DebtLogic.AI (Concept/Development)**

Developed concept for an AI-driven platform guiding users through debt management options via consultative dialogue. Designed NLP-based systems for situation analysis and AI-powered lead nurturing processes.

*Technologies: AI/ML Concepts, NLP, Financial Tech Concepts, Chatbots*

## **EvoFutura AI Content Engine**

Engineered an advanced AI content generation system orchestrating multiple AI writing models simultaneously. Built a comprehensive Python automation infrastructure for content creation, quality control, and publishing workflows.

*Technologies: Python, AI/ML, NLP APIs, Content Generation, Workflow Automation*

## **Date Better Speed Dating AI Integration**

Developed an event management platform integrating AI for intelligent participant matching and event coordination. Utilized Airtable, LLM technology (via API), and automation tools to streamline operations.

*Technologies: AI Integration, Airtable, LLMs, Automation, Event Management*

## Personal Projects

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### Crypto Raider Trading Bot

Developed an automated cryptocurrency trading bot using Python and machine learning concepts. Implemented trading strategies based on real-time market analysis and risk management algorithms.

*Technologies: Python, Machine Learning Concepts, Trading Algorithms, Data Analysis, Exchange APIs*

## Education

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**Web Development Certificate Program** - Saddleback College - 2012