

# Michael Abdo

3099 Rosemary Lane  
Lake Oswego, OR 97034  
(503) 924-9557  
Michael@MichaelAbdo.com

## **Xenodex Sciences — Co-Founder & ML Systems Developer**

Spring, 2022 – Present, | Portland, OR

Co-founded startup automating phenotype classification for genetic analysis. Developed cost-effective framework reducing manual analysis costs by 22.5x. Trained transformer on video data, using data augmentation and transfer learning. Built scalable pipeline replacing \$45/hour manual analysis with automated classification under \$2.

## **Vespera — Machine Learning Engineer**

Spring, 2021 – Present, | Portland, OR | Remote

Applied programming and statistical analysis to financial markets. Built trading strategies optimized for alpha preservation. Achieved 65.7% win rate with Python execution pipeline, demonstrating statistical edge and risk management. Maintained controlled scale with sub-second execution for consistent returns.

## **Amazon PDX5 — Data Analyst & ML Specialist**

Summer, 2020 – Spring, 2022 | Portland, OR | Hybrid

Led data analysis for PDX5 warehouse reconstruction project. Coordinated overnight implementation windows through facility remapping. Built Python/SQL systems tracking throughput metrics and identifying bottlenecks. Created dashboards for operations leadership enabling data-driven decision making.

## **Panera Bread — Tech Lead & System Integrator**

Spring, 2018 – Summer, 2020 | Madison, WI

Led technical development for Panera's delivery platform. Built frontend/backend integrations for dispatch system. Debugged production issues, implemented fixes, and trained staff. Ensured data synchronization between order management and driver systems, achieving reliability and accuracy.

## **College Pro Painters — Franchise Manager**

Spring, 2017 – Spring, 2018 | Iowa City, IA

Generated \$133K+ revenue managing painting franchise operations. Built 8-person team, fostering relationships for 98% customer satisfaction. Developed business acumen through P&L responsibility, navigating setbacks and adapting strategies while maintaining morale and quality.

## **Bio::Neos — Mobile App Developer**

Summer, 2015 – Spring, 2017 | Iowa City, IA

Developed mobile applications for biotechnology company. Built iOS/Android interfaces for data collection and visualization systems. Gained early experience in technology and biological sciences, establishing foundation for later ventures.

## **University of Iowa — Computer Science & Marketing**

Fall, 2016 – Summer, 2018 | Iowa City, IA

Completed core coursework before pursuing real-world innovation opportunities. Gained practical development experience through concurrent business ventures.