

# Michael Abdo

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## **Xenodex Sciences — Co-Founder & Process Optimization Lead**

Spring, 2022 – Present, | Portland, OR

Co-founded startup automating phenotype classification for genetic analysis. Developed framework demonstrating 22.5x cost reduction versus manual analysis. Trained transformer on video data, using data augmentation and transfer learning to maximize signal extraction. Built scalable pipeline replacing \$45/hour manual analysis with automated classification at sub-\$2 cost.

## **Vespera — Financial Systems Developer**

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 automated execution pipeline, demonstrating statistical edge and risk management. Maintained controlled scale with sub-second execution for consistent returns.

## **Amazon PDX5 — Data Analyst & Process Coordinator**

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

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

## **Panera Bread — Technology Integration Lead**

Spring, 2018 – Summer, 2020 | Madison, WI

Led technical integration for Panera's delivery platform rollout. Built integrations for dispatch system connecting operations to driver apps. Debugged production issues, implemented fixes, and trained staff. Ensured data synchronization between order management and driver systems.

## **College Pro Painters — Business Operations Manager**

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

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

## **Bio::Neos — App Developer**

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

Developed mobile applications for biotechnology company. Built interfaces for data collection and visualization systems. Gained early experience in technology and biological sciences intersection.

## **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.