doh2@depaul.edu
(224)436-0498

itsdavidoh.com
Chicago, IL

David Oh

PROFESSIONAL SUMMARY

Computer Science graduate student with a blend of technical and financial market experience. Adept at applying data analytics to solve complex business challenges. Proven ability to innovate and deliver impactful solutions in fast-paced environments. Passionate about leveraging technology to create scalable systems. Proficient in Python, SQL, and a range of modern tools, with a commitment to continuous learning and excellence.

EDUCATION

DePaul University — Jarvis College of Computing   Chicago, IL
Master of Science: Computer Science, GPA: 3.9   *Expected August 2026*
  - **Research**: Soft Robot Locomotion Model - Investigating novel AI-driven approaches to optimize robotic movement efficiency
  - **Certification**: Google Data Analytics Professional Certificate

Northwestern University — Weinberg College of Arts and Sciences   Evanston, IL
Bachelor of Arts: Philosophy   *June 2018*
  - **Notable Project**: TipStop: Engineered an innovative solution to prevent dresser tip-overs, featured on Fast Company

PROFESSIONAL EXPERIENCE

YCharts   Chicago, IL
SaaS Development Specialist   *June 2023 – Nov 2023*
  - **Database Restructuring**: Restructured the database using HubSpot, improving data accuracy by 40% and boosting sales team efficiency by 25%.
  - **Personalized Outreach**: Achieved a 50% email response rate through data-driven personalization, surpassing the team average by 30%.
  - **Strategic Prospecting**: Identified and engaged with over 5,000 high-value prospects in the wealth management sector, resulting in a 15% connect rate and generating $200K in new pipeline opportunities.

EFO EDGE, LLC   Chicago, IL
Founder & Chief Operating Officer   *May 2020 – June 2023*
  - **Leadership and Growth**: Led a team of 5 to implement comprehensive growth strategies, resulting in a 55% increase in qualified leads and 35% year-over-year revenue growth.
  - **Customer Acquisition & Retention**: Developed and optimized a data-driven customer acquisition funnel, growing the membership base to 700+ with a market-leading 45% retention rate.
  - **Operational Scaling**: Scaled the business from startup to profitability, managing product development, marketing, and financial planning. Leveraged Stripe analytics to enhance the customer journey, increasing customer lifetime value by 35% and reducing churn rate by 25%.

Equity/Derivatives Trader   Chicago, IL
Self-Employed   *June 2018 – May 2020*
  - **Automated Financial Analysis**: Developed Python scripts for web scraping and ETL, automating the extraction of financial metrics from SEC filings and reducing analysis time by 60%.
  - **Data-Driven Forecasting**: Implemented advanced data segmentation techniques, improving the accuracy of investment forecasts by 40%.
  - **High ROI Trading**: Achieved a 69%+ YoY ROI through data-driven trading strategies and rigorous risk management.

PROJECTS

- **AI-Powered Calendar Automation**: Developed Python CLI application using OpenAI API, Google Calendar API, and OAuth 2.0.
- **Portfolio Website**: Built with Next.js, TypeScript, and PostgreSQL. Check it out in the top right corner

TECHNICAL SKILLS

Languages & Frameworks: Python, JavaScript/TypeScript, SQL, React, Next.js
Data Science & ML: Pandas, NumPy, Scikit-learn, PyTorch
Tools & Platforms: PostgreSQL, Docker, Git, Google Cloud Platform, Tableau, Power BI