

RYAN McCOMB

fig 1. Abughazaleh vote share by log voter density \times Dem two-party share -- IL-9

Evanston, IL · rymccomb1@icloud.com · mccomb.ca

■ education

Evanston Township High School | Class of 2028

Evanston, IL

4.44 weighted GPA (3.97 unweighted) | National Freshman & Sophomore Honour Society | Swimmer

■ experience

VoteHub | Data Science Fellow

Feb 2026 – Present

- Helped build the most detailed election forecast in US history and co-authored its 2026 midterm methodology paper; the first to predict 2026 Senate, House, and gubernatorial races to the precinct level across 175,000+ precincts nationwide, with a proprietary market-scoring pipeline I built with Kalshi that prices each market as a convex combination of mid-market and last-trade prices
- Part of VoteHub's stand-up data science/racecall team on election night, where we've never missed a racecall and don't plan to in the future
- Election-night analysis has earned 3.5M+ views and 20,000+ likes on X

Daniel Biss for Congress (IL-9) | Volunteer Finance Lead

Oct 2025 – Mar 2026

- Supported volunteer finance operations for a competitive Democratic congressional primary
- Took photos used on multiple campaign mailers and flyers, and provided occasional data analysis support

Evanston Fire Department | Lakefront Lifeguard

Summer 2026

- Open-water lifeguard on Evanston's lakefront; USLA, Red Cross Lifeguard, First Responder, and CPR certified

YWCA | Swim Teacher

2025 – Present

- Teach swim lessons to young children, supporting the YWCA's goal of teaching underprivileged kids

■ projects

IL9Cast | Founder | il9.org

Dec 2025 – Mar 2026

- Built a forecasting aggregator for the IL-9 Democratic primary combining prediction markets, polling, and fundraising data
- Served 3,000+ live viewers on election night; covered by Capitol Fax, the Evanston Roundtable, and the Daily Northwestern

FUNDY | Creator (in development)

2026 – Present

- A proprietary Bayesian model predicting candidates' end-of-quarter fundraising from daily itemized FEC data, and scoring candidate similarity across geographic spread, donation profile, and spending

SEICHE | Creator | mccomb.ca/ml

2026 – Present

- A live model (Seasonal Ensemble for In-lake Conditions and Hourly Estimates) forecasting Lake Michigan water temperature at the Wilmette buoy seven days out, retraining daily on NOAA and ERA5 data on a Google-hosted cloud VM
- Produces calibrated probability bands from five quantile gradient-boosting models, beating naïve persistence by ~47% at a seven-day horizon

Manifold | Prediction Market Trader

2023 – Present

- Ranked top 50 of 160,000+ traders by volume and top 0.25% by profit, with a 2.6 Sharpe ratio

■ skills

Election & campaign finance data (FEC) | Election night reporting & racecalling | Prediction markets

Machine learning | Statistical modelling | KNN & topographic mapping | LoRA & LLM fine-tuning

■ interests

Electoral forecasting, machine learning, prediction markets, data journalism, competitive swimming, sports photography