

Xuange (Adora) Chen

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EDUCATION

The Pennsylvania State University

State College, PA

M.S. in Applied Statistics | GPA: 3.95/4.00

Expected Dec 2027

- Relevant Coursework: Theory of Statistics I & II; Regression Models; Data Mining
- Honors: 2025-2026 Vice Provost and Dean of the Graduate School Student Persistence Scholarship (~\$4.2K)

B.S. in Mathematics and Economics | GPA: 3.61/4.00

Jan 2023 - May 2026

- Relevant Coursework: Linear Algebra; Calculus; Numerical Computation
- Honors: 2026 DataFest Best Use of Celonis Platform Award

PROFESSIONAL EXPERIENCE

HireBeat Inc. | Recruiting Software Startup Company

Jersey City, NJ

Data Analyst Intern

Jun 2026 - Present

- Collaborated with IT to build a company-level dataset for customer segmentation and sales planning; cleaned and consolidated ~21K contact records into ~6K target companies using SQL, delivering a structured account list for sales outreach
- Used top-down and bottom-up methods to segment ~1.5K California SMBs into ~1K high-quality prospects (67%) and ~500 medium-quality prospects (33%) using SQL; partnered with the CEO to plan segment-specific sales strategies
- Conducted market sizing and financial analysis; built Tableau and Power BI dashboards for the CEO and leadership, highlighting a ~\$4.5B serviceable market and ~\$980K ARR at a projected 10% market share to guide market priorities

The Pennsylvania State University

University Park, PA

Grader | Department of Statistics

Aug 2025 - Present

- Graded assignments and provided feedback for STAT 501 and STAT 500

Learning Assistant | Department of Mathematics

Jan 2024 - Dec 2025

- Partnered with faculty to support active learning across four mathematics courses (MATH 140, 22, 220, and 231)
- Guided 300+ students through problem-solving activities and led weekly practice sessions to reinforce key concepts

BDO China Shu Lun Pan Certified Public Accountants LLP

Sichuan, CN

Audit Intern

Jun 2023 - Aug 2023

- Reviewed ~50 contracts and verified ~80 inventory items for an IPO due diligence engagement; collaborated with the audit team to prepare supporting documents across workstreams within project deadlines
- Interviewed suppliers and summarized findings in ~20 structured reports for the project leader, documenting evidence for the IPO due diligence review

ANALYTICAL PROJECTS

Delta-Northwest Merger: Route-Level Fare Analysis

State College, PA

Independent Research | Poster accepted at 2026 Econometric Society Asian Summer School

Sep 2025 - Present

- Processed ~4.18M DB1B market records into ~609K route-quarter observations using Python (NumPy and pandas) and passenger-weighted fares; applied difference-in-differences to 261 routes, identifying pre-merger trend differences that limited causal conclusions
- Tested four route definitions to assess sample-selection sensitivity; documented fare estimates from -5.72% to +1.54% across distinct samples and visualized results in research figures

American Statistical Association DataFest

State College, PA

Team Co-lead | Best Use of Celonis Platform Award Sponsored by Celonis

Apr 2026

- Co-led a 48-hour analysis of ~2.71M hospital visits using Celonis and XGBoost to identify patients at risk of care delays and repeated visits; built an analysis sample of ~570K patient journeys and achieved a ROC-AUC of 0.834 using information available by the second visit
- Presented three workflow recommendations—point-of-care testing, telemedicine follow-ups, and same-day scheduling—to industry judges, supported by risk analysis and budget-based optimization; earned the Best Use of Celonis Platform Award

SKILLS

Programming & Analytics: Python (pandas, NumPy), SQL, R, SAS, Stata, Minitab

Visualization & Business Tools: Tableau, Power BI, Excel (VLOOKUP, pivot tables), PowerPoint