

# Daniel Boudagian

djboudagian@gmail.com

South San Francisco, CA

415.481.2229

## EDUCATION

### **Chapman University – Fowler School of Engineering**

*Bachelor of Science in Data Science, Minor in Mathematics*

**Orange, CA**

*December 2024*

- Cumulative GPA: 3.6/4.0
- Relevant Courses: Statistics, Probability, Linear Algebra, Python, Data Science, Java, AI, Tableau, Biostats, C++ Data Analytics(Excel), Statistical Models(R), Data Structures, Database Management(MySQL), Machine Learning

## EXPERIENCE

### **Niagara Bottling**

*Data Analyst Intern*

**Diamond Bar, CA**

*June 2023 – August 2023*

- Designed and implemented an automated daily data quality assurance system in Python, using optimized SQL queries to validate data integrity within a database, and storing results in a shared drive file for cross-functional collaboration, promoting efficiency, proactive data quality management, and continuous improvement
- Created PowerBI dashboard to visualize and monitor critical KPIs provided by the Python script
- Developed a automated email alert system to notify stakeholders of issues with the data, which contributed to a reduction of downtime by machines by 70%

### **Chapman University Investment Group**

*Analyst*

**Orange, CA**

*October 2021 – May 2023*

- Performed market research on equity markets with Bloomberg terminals and created valuations with Excel to forecast by making Financial models (DCF Model, Football Field Analysis, Comps Model)
- Managed a \$45,000 endowment fund, overseeing budgeting and financial operations
- Analyzed data and performed stock presentations using Powerpoint to key stakeholders for endowment forward-looking strategy

## Relevant Projects

*Wine Quality Prediction Model*

*May 2023*

- Enhanced wine quality assessment through the development of advanced predictive models, resulting in more accurate and data-driven decision-making for winemakers and producers
- Uncovered crucial determinants of wine quality, including alcohol content, sulphates, and volatile acidity, using cutting-edge techniques like Random Forest and Lasso Regression
- Enhanced the predictive power of the model by achieving a 15% increase in the  $R^2$  coefficient of determination, signifying an improvement in the model's ability to explain and predict wine quality

## LEADERSHIP

### **Delta Sigma Phi**

*Treasurer*

**Orange, CA**

*December 2022 – Present*

- Managed finances of a \$25,000 account, optimizing budgeting and wealth using Excel
- Ensured financial compliance through tax documentation and reimbursement processes

### **Armenian Student Association**

*President, Treasurer*

**Orange, CA**

*August 2022 – Present*

- Led a team of 7 people on the executive board organizing school events, and fundraising activities
- Prepared financial reports for executive and general meetings