

DANIEL O'NEILL

Los Angeles, CA · djoneill@usc.edu · (978) 518-9457

EDUCATION

University of Southern California
BS Industrial & Systems Engineering

Los Angeles, CA
May 2025

EXPERIENCE

Outlier

Freelance AI Training for Mathematics

Remote

July 2024 - Present

- Help to create generative AI models that are helpful, accurate, clear, and safe by creating challenging prompts, writing responses, and solving complex math and math reasoning problems.

Postfly

Fulfillment Team Member

Newbury, MA

November 2021 - January 2022

- Developed and implemented effective SOPs and utilized inventory management systems to optimize the organization, packaging, and shipping of thousands of subscription fly fishing boxes.

STEM To The Future

Student Intern

Los Angeles, CA

November 2018 - May 2019

- Visited local elementary schools to work with minority youth to be creative critical thinkers who use STEM to develop solutions to real world problems such as climate change, public safety, and poverty.

Restaurant and Customer Service Experience

Waiter, Barback, Busser & Consultation Role

Various Locations

August 2015 - Present

- Achieved top sales performance by successfully upselling menu items, collaborated with the owner to implement workflow strategies, gaining insights into restaurant mgmt, financial transactions, and quality control, while optimizing shift scheduling and streamlining order processing to reduce wait times.

SKILLS

Languages/Applications:	C, C++, Python, SQL, HTML/CSS, SAP, Arena, CAD, 3D Modeling
Industrial Engineering Concepts:	Deterministic & Stochastic Models, DBMS, ERP Systems, Human Factors
General:	Leadership, Project Management, CRM, Info Systems, Optimization

PROJECTS

F. Gaviña & Sons, Inc. - Service Improvements Production 360, Salesforce Integrations

Partnering with F. Gaviña & Sons, Inc. through a year-long USC senior design project to streamline inter-department communication and service call workflows by leveraging Salesforce for task management, Oracle for service request documentation and invoicing, and Production 360 for sales data insights.

ERPsims Business Simulation Extended game SAP

Executed an enterprise process chain while strategizing on pricing, production planning, distribution and sales by dynamically responding to changing market conditions to maximize profits. Team finished with the highest company valuation and productivity rating.

Seeds Marketplace Queuing System Simulation Arena

Developed a discrete-event simulation model of customer flow at USC's Seeds Café to analyze service workflows and queue interactions for multiple customer types. Conducted data collection and statistical analyses to validate input distributions and improve service efficiency. Gained hands-on experience in simulation modeling using Arena software, as well as data analysis and performance evaluation.

Database Design SQL

Designed and implemented a database for a test case company using knowledge of relational databases, tables, primary and foreign keys, cardinality etc. Partner and I migrated historical data for a company into the database we designed, then used SQL to query the database to answer analytical questions.

AWARDS

James Rokas Leadership Award

Massachusetts Association of Student Councils

Recognizes individual students for both achievement and potential in their student leadership experiences, and is presented at the MASC State Leadership Conference. Selected from over 1,000 high school students.

Cammett Engineering Scholarship

W. C. Engineering

Awarded to a graduating senior who demonstrates great potential in the engineering and technology industry. (\$30,000)