

Pablo Berlanga Boemare

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EDUCATION

University of St Andrews - Mathematics and Computer Science

BSc (Hons) Mathematics and Computer Science

Expected Graduation: May 2026

- Relevant coursework: : Linear Algebra, Abstract Analysis, Differential Calculus, Logics & Reasoning, Computer Systems, Computational Complexity, Dynamical Systems, Financial Mathematics

United World College of the Atlantic / International Baccalaureate Bilingual Diploma: 41/45 / SAT: 1540

EXPERIENCE

McDonald's / AGOE Group (Operator)

Reunion Island, France

Junior Data Scientist

April 2024 - Current

- Implemented a complete data architecture pipeline (from data ingestion to data analysis) featuring all 17 different McDonald's and 20+ other restoration services across all 7 company departments.

Sense of Flow

St Andrews, Scotland

Founder and Executive

September 2023 - Current

- Established and strategically executed a cultural event framework generating over 30.000£ in revenue through 9 events spread over 3 quarters, reinvesting profits into educational charitable program
- Performed team scaling to 10+ employees building optimization system to perform audience-specific marketing based over data of 2000+ different attendees

Mercury Capital Management

St Andrews, Scotland

Founding Cohort and Quantitative Researcher

September 2023 - Current

- Conducted over 10+ financial quantitative analysis cases using regression modeling, time series analysis, Monte Carlo simulations, and portfolio optimization techniques to inform investment decisions

Citadel & Citadel Securities

London, United Kingdom

Spring Trading Invitational

April 2024

- 1 of 70 selected from 4000+ applicants. Placed in top 50% of attendees in individual trading simulation

French National Institute of Health and Medical Research

Montpellier, France

Machine Learning Intern

May 2023 - August 2023

- Developed U-Net-modeled segmentation system for precise chest CT anatomical extraction automating process to account for 10+ case scenarios
- Implemented new transfer learning registration techniques for longitudinal pulmonary tracking and disease progression analysis reducing complexity and completion time by a factor of 20

Center for Research in Economics and Statistics

Paris, France

Data Science Intern

June 2022 - July 2022

- Expanded existing data analysis to identify high-potential clustering methods for tumor identification
- Collaborated on regression models to predict optimal turbine output for French wind farm project

SOFTWARE PROJECTS

Topological Framework for Data Visualization

Scrum Master / Software Engineer

- Spearheaded development efforts, utilizing Scrum/Agile methodology, React/Flask framework to deliver cross-platform web visualization application with 10+ features - 90% positive feedback for performance

Lotus - Nutritional Tracking Platform

Chief of Marketing / Founding Board / Software Engineer

- Administered activation strategy for app and focus from general digital health to nutrition
- Implemented user-feedback loop – adjusting for audience-catered user navigation for 30%+ efficiency

ADDITIONAL INFORMATION

Languages:

Spanish (Native), French (Native), English (Fluent), Italian (B2)

Interests:

Marathon & Ironman 70.3 Finisher, Surf, Photography, Mountain DJing

Charity:

DONT WALK Charity Show, RNLI Lifeguard, Atlantic Pacific Rescue