# Bernardo Morales Ramos

# SOFTWARE ENGINEER STUDENT

#### **ACADEMIC HISTORY**

#### **AUTONOMOUS UNIVERSITY OF BAJA CALIFORNIA**

Aug 2021- Present / 6th semester

Software and Emergent Technologies Engineer

 Assistantship in the creation of educative material for the "Vector Mechanics" course, summer of 2022.

# COMPUTER INVESTIGATION CENTER. NATIONAL POLYTHECNIC INSTITUTE, MEXICO.

Jun 2023 - Aug 2023 / Research internship.

- Research with focus on the adquirement of knowledge on Quantum Computing and Artificial Neural Networks.
- Research work: "Forecasting stocks and indices in the Mexican Stock Exchange with a chaotic behavior through Quantum Computing and neural networks LSTM".

#### Jan 2024 - Present / Research coiaboration

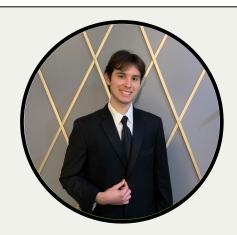
 RNN evaluation for financial indices and exploration on quantum hybrid models.

#### **WORK EXPERIENCE**

#### PROJECT LEADER ON FREELANCE WORK

IronWine Cellars LLC | Dec 2023 - Present

Creation of a orders and quotations managment system that includes database design and managment, information access control, web development.



#### **CONTACT INFORMATION**

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#### PERSONAL PROFILE

I consider myself a very enthusiatic person for learning, development and research. I am always looking for new experiences that could give me skills and aptitudes in pro of my academic growth.

#### SPECIALIZATIONS AND COURSES

# IBM OISKIT GLOBAL SUMMER SCHOOL 2023

Jul 2023 - Aug 2023

Introduction to quantum computing course

#### IBM DATA SCIENCE SPECIALIZATION

Aug 2023 - Oct 2023

Set of 10 courses that include data science and machine learning skills.

#### **HARVARD CS50X**

Aug 2022 - Dec 2023

Introduction to computer science course

#### LANGUAGES

• **Spanish**: native

• English: B2

### **PROGRAMMING LANGUAGES**

- Python C++
- Java