

Abner Molina

Buena Park, CA 90620 | (714) 717-7344 | asamuel0416@gmail.com
www.linkedin.com/in/abner-molina | www.github.com/abnermolina

EDUCATION

Orange Coast College Honors Program

Associates of Science in Computer Engineering, Planning to transfer to a 4-year university

Cumulative GPA: 4.0/4.0

Costa Mesa, CA

Transferring: Fall 2025

Relevant Coursework: C++ Programming Language, Python Programming Language, Java Programming Language, Single Variable Calculus Honors, Physics Mechanics Calculus-Based

SKILLS

- **Software Skills:** Python, C++, Java, Typescript, Matplotlib, Fastify, AWS S3, Zod, Prisma ORM, JAX, Numpy
- **Spoken Languages:** Fluent in English and Spanish

WORK EXPERIENCE

Talyko: Financial Software for Small Businesses - Co-founder & Back-end developer

May 2024 - Current

Typescript | Fastify | AWS

- Co-founded Talyko to create a **low-priced** solution to **enterprise financial software**.
- Designed and developed the **server-side** software emphasizing **scalability**.
- Employed industry relevant technologies to construct the back-end infrastructure such as **AWS S3** for **multipart form data** management.
- Negotiated and guaranteed the use of Talyko with **2 companies** in the general contracting business.
- Working currently alongside co-founder to implement the front-end and deploy the product.

AB-InBev Beverage Manufacturing Facility - Production Engineering Intern

June 2023 - August 2023

Santo Domingo, Dominican Rep.

- Provided regular maintenance to **Programmable Logic Controllers** alongside engineering team using internal company programming language.
- Learned **numerical indicators** in production environments and their proper implementation to keep engineering teams accountable and driven.
- Mentored personally by managing director of the facility and received **leadership** training.
- Helped the production planning team, using **Python**, to automate the processing of the **SKU** of each product to allow for faster workflows.

Orange Coast College for Engineering - Undergraduate Researcher

Sept 2022 - April 2023

Python | JAX | Matplotlib | Cmasher

- Reverse-engineered, alongside engineering mentor, a **Python Simulation** of a **Turbulent Fluid** streaming onto an oval-shaped obstacle.
- Attained a performance improvement of **13,100%** in the simulation by implementing the Python JAX library.
- Improved the **adaptability** of the simulation by implementing variable change to values like the Reynold's Number and inflow velocity allowing for testing of **various types of fluids** at various speeds.
- Validated qualitatively the simulation from an **experimental apparatus** developed using university funds.
- Presented the simulation at a university **research conference**.

PROJECTS AND ACHIEVEMENTS

President's List at Orange Coast College - Honors Student

August 2022 - August 2023

Costa Mesa, CA

- Granted to students with a sustained **GPA of 4.0**

AB-InBev Beverage Manufacturing Facility - Production Engineering Intern

August 2023

Santo Domingo, Dominican Rep.

- Earned a recommendation letter from Production Director at the facility

Presenter at Orange Coast College Research Symposium - Student Research Presenter

April 2023

Costa Mesa, CA

- Attained a recognition award for outstanding research results

LEADERSHIP

Orange Coast College - Tutor for Students in Calculus I Honors

- Mentored a total of 5 freshmen with a focus on the mathematical proofs
- All students attained a grade of B+ or better