Wadih Pazos

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Education

Carnegie Mellon University   *Pittsburgh, PA*
BS Computer Science   *May 2025*
Concentration in Machine Learning
- **Coursework:** Machine Learning, Computer Systems, Parallel Algorithms, Functional Programming, Theoretical Computer Science, Math Finance, Probability, Linear Algebra.

Work Experience

the402 (YC '22 Startup)   *Miami, FL*
Software Engineer Intern   *May 2022 - August 2022*
- Worked on a Web 3.0 content streaming app interacting with the Ethereum blockchain.
- Built smart contracts in Solidity encapsulating logic for publishing, minting, and transacting NFTs.
- Developed browser-based user experience with React.js and Node.js and the iOS native experience with React Native.
- Identified a need for, designed, and implemented the live streaming capability, leading to greater platform adoption.

PairSoft   *Miami, FL*
Software Engineer Intern   *May 2020 - August 2020*
- Improved optical character recognition module by implementing a new fuzzy matching algorithm leveraging the Elastic Search document database and search API.
- Implemented backend REST API using C#/.NET Core, which interacted with Google Tesseract and Elastic Search.
- Increased accuracy and fitness of PairSofts's OCR service leading to higher adoption and consumption.

Coding Angel (Nonprofit)   *Miami, FL*
President and Founder   *August 2019 - August 2021*
- Built software for other nonprofits for free, providing access to technology that would otherwise be expensive to obtain.
- Led a board of 10 people while teaching over 60 students various programming languages over Zoom.
- Raised over $500 for a scholarship for a student who has suffered and overcame a head injury.
- Provided a way for aspiring youth developers to learn to code while also helping the community and earning service hours.

Projects

Sports Betting Software   *September 2022*
- Created a python application to pull and organize different bets and their odds amongst various sports books to identify arbitrage and positive expected value betting opportunities.

Nighthawk   *February 2022*
- Built a python bot leveraging the FTX.com public API to analyze market data and identify profitable trades for cryptocurrency options by identifying put-call parity violations and pricing discrepancies, generating an 11.5% annualized ROI.

Live Like Bella Foundation - Gala Fundraising Application   *September 2021*
- Developed a fundraising web application with React.js, Express.js, and MongoDB.
- Processed donations while updating an onscreen thermometer displaying the amount raised in real-time.
- Used during the "live ask" portion of the gala where it supported a record-breaking raise of $160,000.

Live Like Bella Foundation - Raiser's Edge NXT Migration   *December 2020*
- Cleaned and migrated patient data from an inefficient excel file to Raiser's Edge NXT, using C#, .NET Core, and Cosmos DB.
- Supported LLB to transform and improve processes enabling the facilitation of financial assistance to over 3000 families.

Skills

Programming Languages   C, C++, Python, JavaScript, SML, C#, Java, HTML/CSS, LaTeX, SQL
Tools/Frameworks   NumPy, Matplotlib, Node.js, Express.js, React.js, React Native, MongoDB, ASP.NET Core, Git