

Gildardo Banelos

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EDUCATION

Massachusetts Institute of Technology (MIT); Cambridge, MA August 2020 - Dec 2023
Bachelor of Science in Computer Science (Course 6-3)
Courses: Performance Engineering; Algorithms; Software Construction; Computer Systems; Machine Learning; Computer Security;

Adlai E. Stevenson High School; Lincolnshire, IL August 2016 - May 2020
ACT: 35 | Math II: 800 | Chemistry: 800
Courses: AP Computer Science A; AP Physics C; AP Statistics; Multivariable Calculus; Linear Algebra; Investment Management;

EXPERIENCE

Doppel - Software Engineer Jan 2024 - Present
Worked as a Full-Stack Engineer at Doppel, a Series A startup; Worked on and maintained our enterprise application; Including but not limited to designing and implementing our API, handling frontend feature requests, and optimizing for performance and cost;

Google - Software Engineering Intern June 2023 - August 2023
Worked as Cloud Software Engineer Intern on Google Cloud Storage (Striping); Designed and developed a simulator for the execution of various algorithms on a multi-commodity resource allocation task in order to find a strong heuristic that will fulfill performance expectations; Project written from scratch, in C++;

Morgan Stanley - Quantitative Analyst June 2022 - August 2022
Worked as a Fixed Income Strategies Intern on the Securitized Product Group; Developed software written in Q (Functional Programming) to automatically document due diligence for all RMBS, CMBS, CLO, ABS products that are traded by the firm; Received offer to return following summer as a Quantitative Analyst;

Facebook - Freshman Intern June 2021 - August 2021
Worked under a Facebook engineer as an IOS Developer; Underwent 3 week training program where we developed 5 IOS apps; Individually developed a final IOS Application written in Objective-C from scratch; Learned how to write industry-standard code that underwent company code review; Received offer to return following summer as a software engineering intern;

Centrly - Data Science Intern January 2021 - February 2021
Worked with Centrly, a startup that uses public data to foster mutually beneficial relationships between companies; Automated the process of data collection using Python; Sent and retrieved data to MongoDB; Created web app that allows all company employees to use tool from their home computer;

MIT Laboratory of Financial Engineering - Undergraduate Researcher September 2020 - January 2021
Worked under Professor Andrew Lo and Zied Ben Chaouch to model several financial phenomenon using Python and JavaScript; Integrated my models into Adaptive Financial Markets, an MIT class being taught by Professor Andrew Lo;

ACTIVITIES & LEADERSHIP

MIT Poker Club - Member September 2020 - Present
Member of the MIT Poker Club; Recently completed an online bankroll challenge (\$225 USD to \$2000 USD); Maintained a win-rate of 7bb/100 across 30k hands; Frequent regular of live high-stakes cash games;

PROJECTS & RESEARCH

Blockchain Poker (In Development) June 2023
Wrote a Poker application hosted fully on the Ethereum Blockchain; Utilizes smart contracts to host NLHE games without requiring a monetary deposit to a centralized platform; Reduced the transaction time of actions to 5-6 seconds from 8 seconds;

SKILLS & INTERESTS

Technical Skills: Python; C++; JavaScript; Objective-C; Swift; React, Nextjs, GraphQL-PostgreSQL

Spoken Languages: Native Fluency - English; Native Fluency - Spanish; Beginner Level - Mandarin

Interests: Online Chess - 2100 Rated; GTO Poker; Blockchain; Hiking; Rock Climbing;