

Alejandro Hernandez

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EDUCATION

CUNY Brooklyn College | New York, NY

B.S. in Computer Science

Expected: Dec 2024

- **Relevant Courses:** Computer Architecture, Data Structures, Operating Systems, Analysis of Algorithms, Discrete Math, Database Systems, Statistics & Probability, Human Computer Interaction
- **Dean's List:** Spring 2022, Spring 2023, Spring 2024
- **Tech Talent Pipeline Residency, Fellow:** Completed a 14-week boot camp, contributing to 12 projects with a focus on both backend and frontend development using the PERN Stack. Enhanced problem-solving skills through intensive algorithms and system design training

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Java, Ruby, Python, C++, SQL, HTML, CSS

Operating Systems: MacOS, Windows, Linux

Tools and Technologies: React, Redux, Node.js, Express, Rails, Django, PostgreSQL, MongoDB, MySQL, Sequelize, Git, GitHub, Bootstrap, Tailwind, Slack, Jira, Postman, Figma, Notion, Vercel, Agile Development, Microsoft Office Tools, WordPress

PROFESSIONAL EXPERIENCE

Full Stack Engineer Intern | Cisco Meraki | San Francisco, CA

Summer 2024

- Simplify clients' firmware management by creating user-friendly systems with visual components and alerts to encourage firmware upgrades
- Use React, Redux, and Ruby on Rails to develop dashboards and APIs, delivering clear and consistent real-time data to users

Full Stack Engineer Volunteer | DEVELOP FOR GOOD | New York, NY

Fall 2023 - SPRING 2024

- Volunteer Engineer, focusing on supporting Lit Path in their mission of making recovery therapy more affordable for everyone.
- Led the implementation of therapist registration page as well as created a new model for the database schema to support new APIs calls to display therapist information more accurately.

PROJECTS

GitPulse | Backend Lead Developer | [Backend Source Code](#) | [Frontend Source Code](#)

Aug 2023

- A powerful data visualization tool designed to provide users with valuable insights and software engineering metrics about their repositories. The tool analyzed 16 coding and collaborative metrics, offering and insight in a repository performance.
- Served as the Backend Lead Developer, leveraged GitHub API endpoints to calculate and format crucial metrics, ensuring the delivery of insightful data use for data visualizations such as pie charts, line charts, and bar charts.

Finance Mate | Individual Contributor | [Backend Source Code](#) | [Frontend Source Code](#)

July 2023

- A comprehensive finance app utilizing the PERN stack, Redux, and integrating data visualization with Nivo. Implemented Google OAuth 2.0 via Passport.js and seamlessly integrated Stripe and Plaid APIs to enhance user financial management.
- Created interactive financial dashboards, enabling real-time expense tracking and budget management. Bank account integration through Plaid, offer user insight into account activity in a visually intuitive manner.
- Pioneered the "Committee-San" feature within Finance Mate, dynamic group creation, and seamless payout management. Enhanced user engagement and financial collaboration

PROFESSIONAL DEVELOPMENT

Basta X Google G-SWEP Fellow

Feb 2024 – Jun 2024

- Completed a 10-week technical mentoring program with a Google Software Engineer, focusing on enhancing problem-solving skills
- Prepared for technical interviews by practicing common coding problems and patterns

Cyber Security CodePath Fellow

Feb 2024 – May 2024

- Completed CodePath's Introduction to Cybersecurity, covering both offensive (red hat) and defensive (blue hat) hacking techniques
- Gained awareness of common cyber threats, learned to use tools for attack and defense, and understood the role of Virtual Machines in cybersecurity

Bloomberg Tech Lab Fellow

Apr 2024

- Built an application with Bloomberg engineers using RabbitMQ, Docker, and Python for real-time data processing and communication
- Enhanced Python/CS concepts (OOP, classes, inheritance) and gained financial domain knowledge (tickers, industry sectors)