

# Ethan Diaz

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## Education

**California State University, Fullerton**  
Bachelor of Computer Science

**Graduation date:** May 2026

**HarvardX/EdX. Online/Cambridge, Massachusetts**  
CS50x Introduction to Computer Science Certificate

**Graduation date:** Dec 2023

## Work Experience

### J.P. Morgan Chase Bank

#### Associate Banker

Anaheim Hills, California  
September 2022 - Present

- **Efficiency in Utilizing Multiple Systems** -- Demonstrated proficiency in navigating and efficiently utilizing both backend and client-side banking systems to process customer transactions swiftly and accurately, showcasing an understanding of complex system architectures similar to those encountered in software development.
- **Leadership in Software Utilization** -- Acted as a go-to resource for peers in navigating nuanced software tasks, providing guidance and training that improved team competency and efficiency, reflecting leadership abilities and a deep understanding of software applications.
- **Commitment to Security and Compliance** -- Ensured the protection of the firm and client assets by strictly adhering to anti-money laundering laws and implementing rigorous audit guidelines and controls, actively contributing to the defense against potential losses through heightened awareness and prevention of phishing and other cybersecurity threats.
- **Cross-Functional Team Collaboration and Problem Solving** -- Collaborated closely with personal bankers, financial advisors, and business resource managers to efficiently resolve complex customer issues, employing problem-solving skills and taking initiative to enhance transaction processes and customer satisfaction, which parallels the collaborative and innovative environment of software development teams.

### Avalon Bagels

#### Shift Lead

Yorba Linda, California  
June 2021 - September 2022

- As a high school shift lead at a local bagel shop, I spearheaded the integration of a new digital cash register system, boosting efficiency and service quality, while demonstrating leadership and technological proficiency.

## Projects

### Automated\_Email\_Checker

[https://github.com/ethandCS/Automated\\_Email\\_Checker](https://github.com/ethandCS/Automated_Email_Checker)

- Developed an automated email checker in Python, retrieving unread emails using IMAP and optionally utilizing OpenAI's GPT model to summarize and prioritize messages based on urgency.
- Implemented OAuth2 for secure authentication with Gmail, integrating Google API and BeautifulSoup for parsing email content, and providing an optional GPT-based summarization feature for enhanced email management.

**Technologies Used:** Python, Google OAuth 2.0, OpenAI GPT, IMAP (IMAPLib), dotenv, Git

### FIRE\_Calculator

[https://github.com/ethandCS/FIRE\\_Calculator](https://github.com/ethandCS/FIRE_Calculator)

- Developed a financial independence calculator using React and Python backend, allowing users to visualize projected net worth growth based on salary, savings, and investment rates over time.
- Integrated dynamic charts with Chart.js for real-time graphing of weak, moderate, and strong investment growth scenarios, providing users with interactive retirement planning insights

**Technologies Used:** React, Python, Flask, Chart.js, REST API, HTML, CSS, JavaScript

## Skills

**Programming Languages:** Proficient in C, C++, Python, Java, SQL and HTML, demonstrating the ability to write clean, efficient, and maintainable code, grounded in a strong understanding of programming principles with a keen interest in continually expanding my knowledge to embrace new languages and technologies.

**Programming and Development Acumen:** Proficient in Computer Science Fundamentals and Software Development, with a strong grasp of complex data structures and algorithms to optimize computational solutions, alongside best practices in version control with Git, debugging, and code review processes.