

Carlos Ayala

Cayala5@hawk.iit.edu | +1 312.778.0213 | www.linkedin.com/in/carlosdayalaiii

SUMMARY

Carlos Ayala is a collaborative, motivated individual who is a firm believer in continuous, life-long learning. As a first-generation college student, he prides himself on his successes and his failures. He uses both experiences to boost himself forward and bring others up with him. He is a highly self-motivated person, and he always looks forward to the challenges of balancing an active lifestyle with school and his personal goals. He is also a current second-year undergraduate student majoring in Applied Cybersecurity and Information Technology at Illinois Institute of Technology. He focuses on applying both business and technology aspects to any problem he encounters. He is trying to get a Bachelor of Science in Applied Cybersecurity and Information Technology. In addition, he wants to hold a Professional Master of Science in Cyber Forensics and Security. His dream goal is to eventually provide the opportunity to learn about computers to people all around the world, but especially the people in third world countries.

WORK EXPERIENCE

JP. Morgan Chase & Co.

Chicago, IL.

Software Development/Engineering Intern

Jun. 2022 – Aug. 2022

- Collaborated with my mentor in troubleshooting code through pair programming, resulting in a 20% reduction in bug reports and a 15% increase in code quality
- Implemented a structured approach to problem-solving, including recreating issues and brainstorming potential solutions by using Postman API, resulting in a 30% increase in successful issue resolutions and a 20% reduction in recurring problems, ultimately improving team efficiency and client satisfaction
- Leveraged Amazon Web Services (AWS) Console to proactively identify and analyze code issues through log inspection, resulting in a decrease in client-reported disruptions, enhancing overall system reliability and customer satisfaction
- Actively engaged in daily scrum meetings to enhance team efficiency and accountability regarding projects in our Bitbucket repository, leading to a decrease in project completion times, which resulted in improved project outcomes and client satisfaction
- Successfully completed at least twelve tickets in the team of six Software Engineers every two weeks after every sprint as measured by a 30% decrease in open tickets past their due date by implementing code changes into our programs
- Conducted regular code demos to the product owner after each sprint using which ensured alignment with business requirements outlined in Jira tickets which lead to a decrease in post-production issues, ultimately contributing to more successful project outcomes and enhances product quality
- Delivered multiple solutions for businesses to securely accept any payment, in any currency, anywhere in the world which resulted in a 20% increase in new customers for the respective business because of the payment processing platform
- Worked in team setting to organize and prepare our program for an estimated 5,000 new clients to begin onboarding using our system

PERSONAL PROJECTS

Illinois Institute of Technology

Chicago, IL.

Airport Flight/Pilot Schedule Service with Air Traffic Control (In progress)

Sep. 2023 – Present

- Created a plan and met with fake investor (Professor) which would be something that we would encounter in the workforce.
- Collaborating with coding partner to develop a service in Java that would allow us to read a “.txt” file and store it into an array which we would then be able to call by inputting a pilot or stewardess employee id to find the flights that a pilot or stewardess has or the opposite where we could input a flight id where we could see what flights they will be on.
- Implementing functionality to use a random number generator for air traffic controllers which would be able to mimic real life.
- Using Greenfoot’s Java Graphics library, we will be able to flesh out the project so that it isn’t just bare bones in the console.
- Adding graphics to represent a fake scenario of a user being able to see the current flights and their location

Amundsen High School**Chicago, IL.***Tardy Email Service**Apr. 2023 – Jun. 2023*

- Developed and coded a complex script using JavaScript that would read a student id when they are late to class and connect that student id to a parent id and email stored in a Google Spreadsheet file which was designed to email parents almost instantly if their student was tardy or absent from class
- Instructed a team of three other students on how we should go about connecting the spreadsheet to our code file
- Collaborated with Head of Information Technology Security at High School to learn from each other on how we must optimize the program
- Decreased the number of tardy and absent students per week by 40% because of our product's success
- Begun trying to implement program into other schools monitored by Chicago Public Schools (CPS) to help decrease tardies and absences in the whole CPS District which will lead to higher percentages in High School graduates per year
- Educated administration of local High School on this program so that any employee can learn to use it effectively, resulting in a 45% increase in emails sent to parents because of all school faculty knowing how to use our program

Amundsen High School**Chicago, IL.***Amundsen Athletics Foundation Website**Sep. 2021 – May 2023*

- Effectively implemented a donation service for the athletic department's using Java to help raise many for the many sports teams at this High School, resulting in \$50,000 in donations during the 2022-2023 academic year because of the webpage my team and I created which can be found by searching "Amundsen Athletics Foundation" into your browser.
- Collaborated with the Amundsen Athletics Foundation Board of Directors to fulfill the requirements since the foundation operates as a charitable 501(c)(3) and is dedicated to promoting school and community support for the Amundsen High school athletics program
- Updated website on a weekly basis with new information that the team wanted the community to see regarding new fundraising events
- Used HTML, CSS, and JavaScript topics to create a user interface that was user friendly, which resulted in a 40% increase in users staying on the webpage for longer than 5 minutes
- Implemented the open-source Bootstrap framework to implement custom design templates for how the team wanted the website to look like
- Participated in meetings between the athletics foundation and prospective donors such as Cubs Community, Jersey Mike's Subs, and Kia of Lincolnwood to discuss how they can join the "League of Allies" and how they would like their respective companies to be shown at sporting events

EDUCATION**Illinois Institute of Technology | College of Computing****Chicago, IL.***Bachelor of Science in Applied Cybersecurity and Information Technology**2023 – Present*

- **Certificates:**
 - IT Specialist – HTML, CSS, and JavaScript (Issued by: Certiport – A Pearson VUE Business)
 - Adobe Certified Professional – Visual Design Using Photoshop (Issued by: Adobe)
- **Skills used:** Google Suite, Microsoft Office, IntelliJ IDE, Eclipse IDE
- **Expected Graduation Date:** May 2027

VOLUNTEER EXPERIENCE**Amundsen High School****Chicago, IL.**

- *Teaching Assistant* *Aug. 2022 – Jun. 2023*
- *Prospective Freshman Open House Worker* *Oct. 2021 – Jun. 2023*

St. Teresa of Avila Catholic Church**Chicago, IL.**

- *Service/Mass Helper* *2013 – Present*
- *Yearly Hunger/Food Drive Worker* *2013 – Present*