Elisa Carrillo

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EDUCATION AND HONORS

University of Illinois at Urbana Champaign, Grainger College of Engineering   Champaign, IL
Bachelor of Engineering in Computer Science   Graduation Date: May 2025
- Relevant Coursework: Object Oriented Programming, Data Structures, Probability & Discrete Mathematics, Computational Linear Algebra, Software Design Studio, Calculus
- Organizations: Society of Hispanic Professional Engineers, Society of Women Engineers, UIUC RoboSub, UIUC iRobotics

PROFESSIONAL EXPERIENCE

ServiceNow   San Diego, CA
Software Engineering Intern, User Experience Frameworks Team   *May 2022 - August 2022*
- Using breakpoints within my local instance, I identified the path of user actions from seismic components to the database and created 15 marks using the Databroker API to send network calls when a specific user action is taken
- Created a subscriber that collected over 1,000 marks and returned them to engineers categorized at certain intervals, effectively recording user actions and allowing engineers to understand how users are using the platform

Yummy Future   Champaign, IL
Operations Intern   *January 2022 - May 2022*
- Identified 25 errors in robots' operation using Bash and worked with a team of engineers to implement Python software
- Ensured the Arduino boards had correct functionality before the start of every shift.

Bioverse Labs   Fort Lauderdale, FL
Software Engineering Intern   *May 2020 – September 2020*
- Working with Miami-Dade County to build a machine learning algorithm to identify diseased variants of mosquitos using factors such as wind-beat frequencies and weight
- Using an image based Convolutional Neural Network, I classified Aedes aegypti mosquitos in a binary classification with a 97.65% accuracy using the ABUZZ dataset.

SKILLS

- **Programming Languages:** C++, Java, Python, GoLang, JavaScript, Bash, MySQL, HTML, CSS
- **Technologies:** Git, Gim, OpenCV, Pandas, ReactJS, Command-Line Tools, APIs, Firebase, ROS2

LEADERSHIP AND HONORS

UIUC RoboSub   Champaign, IL
Vice President   August 2022 – Present
- Reach out to potential sponsors, ensure teams are meeting their deadlines, help create a supportive learning environment, and created an onboarding guide that has helped over 25 members.
- On the autonomy team, I work with Robot Operating Systems 2 to create autonomous components of our submarine.

VMWare CodeHouse Atlanta   Atlanta, GA
Team Lead
- Created a learning application where you learn how to code based on your interests and then learn how you can make a change in your community using the tools you are learning. Our web app also had text-to-speech features to increase accessibility. Primarily worked on the backend of the application using GoLang and Gin to create the application and database.
- Built an AI model to teach programming skills based on inputted interests, along with implementing text-to-speech features using speech recognition packages in GoLang
- Used GoLang for the application backend and Gin Database for API calls to build the data pipeline
- Placed first team out of 60 teams and received the MVP award out of 150 participants

Course Assistant   Champaign, IL
CS 124: Introduction to Computer Science (University of Illinois at Urbana Champaign)   January 2022 – May 2022
- Collaborated with professors to lead office hours, run help site, and answer 1000+ students' questions on online forums.
- Made over 10 contributions to the course site, now which is available to all students interested in learning how to code.

Personal Projects

Communities Connected   August 2022 – Present
- Using GoLang, MySQL, HTML and CSS build a centralized database for all underrepresented communities in the STEM industry.

Cravings   August 2022 – Present
- Used ReactJS and Firebase to host the database for a web application which tracks users' meals at different restaurants, connect with their friends, and review different restaurants.