ANGEL CORONEL

(915) 702-6659 • angelcoronel15@gmail.com • Brooklyn, NY • in/an-cor

Education

The City University of New York (CUNY)
PhD. in Computer Science, GPA: 4.00   Dec 2027

University of Texas at El Paso (UTEP)
M.S. in Software Engineering, GPA: 3.83   Dec 2024
B.S. in Computer Science, Minor in Mathematics, GPA: 3.78

Experience

Software Engineering Intern   Summer 2023, Summer 2024
Northrop Grumman Corp – Space Systems Sector – Secret Security Clearance
- Assembled a software component using **Java** for a radar system (DARC) to store and format Kubernetes data through Rest APIs in a cloud database leveraging **Kafka Connect**, **Docker** and **ElasticSearch** (2024)
- Developed software functionalities using **Java** and **C++** for a radar system (PARCS) involving backend automation and usability leveraging **GitHub** and **Jira** for source control on 4 customer-based tickets/issues (2023)

Computer Science Teaching Assistant (TA)   Aug 2023 – Dec 2024
Department of Computer Science at UTEP
- Supported professors by providing instruction and guidance to 60 plus students per class including **Object-Oriented Programming** and **Data Structures & Algorithms** courses taught in **Java** and **Python**, respectively
- Presented self-made, topic-based reviews and helped students attain higher exam grades by strengthening their understanding of course material, convey correct exam expectations and address missing gaps in knowledge

Technical Programming Intern   Summer 2022
Air Force Research Lab (AFRL) – Minority Science and Engineering Improvement Program (MSEIP)
- Developed an aircraft and inventory management system integrated with other dynamic gaming systems in **C#**
- Leveraged **Unity** in nine-person engineering team implementing UI elements and creating scripts to automate decisions for aircraft's status, pilots, and tech components

Projects

"Miner Fit" Gym App – Web Development   Spring 2024
Agile Software Engineering Graduate Course | Svelte, CSS, JavaScript, HTML, Firebase, Firestore, Git
- Developed a "workout builder" stylized form so a user can create a personalized workout routine using **Svelte**, **CSS**, **JS**, and **HTML** while managing data models uploaded to **Firebase** for data persistence with multiple users
- Implemented a menu page with browsing and subscription functionality with user-to-user "coach" and "customer" roles with account authentication by leveraging **Firebase Authentication** and **Firestore Database**

Undergraduate Researcher – AI & ML Research   Jan 2022 – Dec 2023
Department of Computer Science at UTEP | Google Colab, Python, Pandas, Matplotlib
- Learned and participated in graduate-student led, research projects about machine learning, deep learning, and artificial intelligence involving optimization for neural networks, constraint solving, and interval computations

TechX Scholar   Spring 2022
Google Tech Exchange Program | Python
- Completed a semester of courses including Applied Data Structures taught in **python**, Product Management, and Careers in Tech taught by Googlers through a virtual academic program hosted by Google and my HSI (UTEP)

Skills

Technical: Python, Java, C++, HTML, CSS, Git, Agile, Scrum, Artificial Intelligence, Kubernetes
Interpersonal: Communication, Collaboration, Decision-making, Empathetic Listening, Analytical Thinking