

Irvin Pelcaztre-Ortega

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EDUCATION

Georgia State University

Atlanta, GA

Bachelor of Arts in Computer Science, Focus in Data Science | GPA: 4.02

Expected December 2024

Relevant Coursework: Data Structures, Object Oriented Programming, Design & Analysis: Algorithms, Software Engineering, Operating Systems, Machine Learning, Big Data Programming

EXPERIENCE

EyeSpace AI

May 2024 – Present

Software Engineer Intern

Remote

- Developed a dashboard feature containing various amounts of analytics in chart visualizations that chart user's interactions
- Maintained Firebase collections that were used to track user passage and provide meanings to user data

CodePath

August 2023 – Present

Web Development Tech Fellow

Remote

- Mentored 3 groups of 5 students, leading them through a comprehensive curriculum including JavaScript, HTML, CSS, and interactive front-end development
- Provided technical assistance on Slack for the 300-student course while fostering an inclusive learning environment by establishing professional connections among and with students, nurturing their motivation to learn

PROJECTS

Molecule Soluable Data Predictor | *Python, Ski-kit*

May 2024 – Present

- Developed and trained a predictive model using Python and Scikit-learn to assess molecule solubility in water/solvents, aiding drug candidate selection
- Created data visualizations with Matplotlib and employed RandomForest for solubility prediction, improving prediction accuracy by 80%

Personal Finance Tracker | *MongoDB, Express, React, Node, TypeScript*

April 2024 – Present

- Built a dynamic personal finance tracking application with user authentication using Clerk, enhancing user data security and experience
- Implemented REST API principles for CRUD operations, resulting in a seamless and responsive user interface and efficient data management

Rankify Review Website | *JavaScript, Node, Express, React, MySQL*

January 2024 – Present

- Engineered a review platform with features such as user authentication, review management, and real-time interactions using JavaScript, Node.js, Express, React, and MySQL
- Applied agile methodologies and REST API principles, achieving a robust and secure platform with improved user engagement by 60%

LEADERSHIP/ACTIVITIES

Headstarter AI

July 2024 – Present

Software Engineer Fellow

Remote

- Built 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns
- Coached by Amazon, Bloomberg, Capital One engineers on Agile, CI/CD, Git and microservice platforms

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML, CSS, Shell, SQL(MySQL), NoSQL(Mongo)

Frameworks: React, Node.js, Express.js, Hadoop, Spark

Technical Tools: Tableau, Git, MS Excel, Linux, Firebase

Libraries: Pandas, NumPy, Matplotlib, PyTorch, Ski-kit