Christopher Duym

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Education

Rowan University December 2025

Master of Science in Computer Science

GPA: 4.0 | Cloud Computing, Systems Administration, Computer Vision, Advanced Database Systems

Rowan University December 2024

Bachelor of Science in Computer Science

GPA: 3.7 | Data Structures and Algorithms, Operating Systems, Software Engineering, Computer Networks

Projects

Crypto-Scam Detection Web App | *Next.js, TypeScript, Tailwind CSS, Helius API, Google Gemini API*

- Developed a Next.js web app, The Solana Sheriff, that helps crypto users avoid scams on Solana by analyzing wallets and tokens based on public blockchain data collected with the Helius API
- Built functionality allowing users to submit wallet or token mint addresses to retrieve key risk indicators, including wallet age, transaction patterns associated with botting, liquidity pool data, and top holder concentration
- Integrated the Google Gemini API to generate heuristic-based risk scores and return natural-language explanations outlining potential red flags
- Developed in 2-person team at the Henhacks 2026 hackathon hosted by the University of Delaware, delivering our MVP in a 24 hour sprint

Hospital Risk Prediction Web App | *Python, Django REST, MySQL, Docker, Agile*

- Developed a Scikit-learn machine learning model to predict hospital stress levels based on synthetic data
- Built a Python script to generate synthetic data and a Django REST API to simulate polling hospital systems to collect and store data in a MySQL database
- Integrated user authentication into a Bootstrap-based front-end dashboard to view real-time risk level predictions
- Collaborated in a 6-person Agile team, delivering biweekly sprints of function code and documentation to our client

Pointing Span Test Web App | *Python, Django, MySQL, Bootstrap CSS*

- Developed a Django-based web application enabling doctors to generate secure test links to allow remote patients to complete a digitized pointing-span cognitive assessment
- Designed the front-end to present stimuli both audibly and visibly, and captured user input using an on screen keyboard recorded latency metrics
- Developed a back-end dashboard where clinicians can create, monitor, and access test results, including current test-status and individual test analytics
- Built a data-aggregation pipeline to create summarized analytics based on all test results, allowing clinicians to compare individual test results to the collected averages and facilitating pattern discovery

Work Experience

Computer Sales Team Lead | Best Buy – Deptford, NJ October 2022 – Present

- Exceeded sales goals for 2 consecutive quarters and 10+ months, demonstrating customer-focused problem solving and excellent customer service
- Trained and mentored 10 new employees through hiring, onboarding, and sales-floor development; all trainees met performance expectations, with 4 of them moving to higher level roles in the company

Skills

Languages: Python, SQL, Java, TypeScript, JavaScript, HTML, CSS

Frameworks & Libraries: Django, Django REST, Scikit-learn, Bootstrap

Technologies: MySQL, Git, REST APIs, Docker, AWS, Azure, Agile