Devin Crowley

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EDUCATION

Rutgers, The State University of New Jersey New Brunswick, NJ — May 2026
School of Arts and Sciences — GPA: 3.88
Bachelor of Science in Computer Science & Data Science
Relevant Coursework
Data Science & Machine Learning: Foundations of Data Science, Regression Methods, Applied Statistical Learning, Statistical Inference, Data Wrangling & Management
Mathematics: Linear Algebra, Discrete Structures, Design & Analysis of Algorithms
Programming & Systems: Data Structures, Systems Programming, Computer Architecture

Bergen County Academies Hackensack, NJ — June 2022
Academy of Technology & Computer Science — GPA: 3.95
Awards: Amazon Technical NJAC Scholarship, Cyberstart America Semifinalist

TECHNICAL KNOWLEDGE

Languages: Java (with JSP, JDBC), Python (with TensorFlow, SciKit-Learn, NumPy, Pandas, MatPlotLib, Seaborn), R (with Tidyverse, dyplr, ggplot2, Shiny, Lubridate), C, C++, JavaScript, MySQL, Racket, HTML, CSS, Assembly
Data Science & Machine Learning: Regression, classification, clustering, data visualization, hypothesis testing (ANOVA), supervised/unsupervised learning, cross-validation, PCA, Bootstrap, Monte Carlo simulations, MCMC, Gibbs sampling, random forests
Systems: Mac, Windows, Linux
Tools: Git, AWS, VMWare, Tableau, Markdown, Quarto, LaTeX, XGBoost

RECENT PROJECTS

Thera.py — AI-Powered Therapy-Style Chat App (Prototype) March 2025

- Developed RESTful backend with FastAPI for conversation logic
- Integrated open-source LLaMA 2 model for Natural Language Processing & Generation
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Login & Reservation Web App April 2025

- Built secure login/logout system using Java (JSP) and JDBC for MySQL interaction
- Managed server-side user authentication, session state, and query handling.
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Discover Daily — Music Recommendation Engine In-Progress, Spring 2025

- Engineered personalized music recommender using Last.fm data & Spotify API
- Clustered mood-based listening habits with Python (Pandas, Scikit-learn) to generate on-demand suggestions.
- Designed backend pipeline to support API-based playlist creation.