Michael Hernando

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EDUCATION

New Jersey Institute of Technology — Newark, NJ
Bachelor of Science in Computer Science — *Jan. 2020 – May 2024*

EXPERIENCE

Software Engineer Intern — Newark, NJ
NJ Transit — *June 2023 – Present*
- Developed a full-stack web application using ASP.NET Web API with SQL Server as the back-end, and React as the front-end, to replace an existing legacy application used to manage company assets
- Automated Microsoft Forms processes using Microsoft Power Automate to trigger emails upon form submissions
- Managed and maintained records within an enterprise-level Oracle SQL database
- Applied Scrum methodology and managed project tasks through Jira

Administrative Assistant — Morristown, NJ
Morristown Surgical Associates — *Aug. 2020 – May 2023*
- Collaborated on patient record management using Epic software, overseeing a database housing over a million patient records
- Coordinated and scheduled patient appointments with surgeons and integrated the appointments into the Epic system
- Conducted phone calls to medical insurance companies and patients

PROJECTS

Spotify Music Quiz | *React, MUI, Node, Express*
- Integrated Spotify data into an application through implementation of Spotify REST API endpoints
- Designed and implemented a responsive user interface using React and Material UI
- Implemented authentication with Spotify using Node and Express

Weather App | *Python, PHP, MySQL, BASH, Tagsoup*
- Developed a web application featuring a dashboard that dynamically displays weather data for seven distinct cities, while also implementing database functionality to persist data
- Utilized Python and Tagsoup to implement web scraping, extracting and aggregating real-time weather data from a website
- Implemented real-time data updates, with weather information refreshed every six hours, ensuring users had the latest information

Fetal Health Classification | *Python, pandas, NumPy, Matplotlib, Scikit-Learn*
- Applied machine learning algorithms and data science methods on a data set of over two thousand records to predict fetal health
- Visualized prediction results with Matplotlib, generating and presenting nine insightful data visualizations to support decision-making

PROFESSIONAL DEVELOPMENT

Learn Javascript: Asynchronous Programming Course
Codecademy — *Mar 2023*
Certificate number: 651A224B19

Learn React Course
Codecademy — *Feb 2023*
Certificate number: 63EFCD3F0E

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, C#, BASH, PHP
Frameworks: React, Typescript, Node.js, Material-UI, ASP.NET, Express
Developer Tools: Linux, Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Vim
Libraries: pandas, NumPy, Matplotlib, React Hook Forms, React Router, Redux, Dapper, Tagsoup