

MICHELLE BAUTISTA

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EDUCATION

New Jersey Institute of Technology, Newark, NJ

Expected Graduation: May 2024

Bachelor of Science in Web and Information Systems | GPA: 3.7 / 4.0

Notable Coursework: Database Design, Management and Applications, Data Analysis for Information Systems, Web Mining and Information Retrieval

SKILLS

- **Languages & Frameworks:** Python, SQL, Next.js, HTML5, CSS3, JavaScript, React
- **Software & Platforms:** Git, SQL Server, Excel, Access, Tableau, Figma, Node.js, Vercel, Docker

EXPERIENCE

Prudential Financial, Virtual, NJ

June 2021 – August 2021

Software Development Intern

- Wrote 10+ system documentations, end-user guides, and installation guides surrounding the use of Google Anthos

Prudential Financial, Virtual, NJ

June 2020 – August 2020

Software Development Intern

- Implemented a SharePoint Communications Hub to facilitate inter-department documentation exchanges, increasing business communication efficiency
- Met with manager and 3+ colleagues collecting feedback to improve website layout and functionality
- Developed a facility to streamline the process of comparing vendors' performances, reducing manual effort by 30%

iD Tech, Little Falls, NJ

June 2019 – August 2019

Instructor

- Educated 50 students (ages 10-14) on Python and Lua via programming projects
- Promoted to Interim Lead Instructor: revitalized communication, cohesion, and time management between the Camp Director and 5 Instructors

PROJECTS

Email Spam Classification, Web Mining and Info Retrieval Project

April 2024 – April 2024

- Designed and trained a machine learning model (KNN classifier) to classify 5,695 emails as spam or non-spam, achieving a high classification accuracy of 98%
- Utilized Python, Pandas, Scikit-learn, NLTK, Matplotlib, Seaborn to preprocess, analyze, and visualize data

Average Social Media Usage, Data Analysis for IS Project

March 2024 – April 2024

- Crafted and published an insightful Tableau dashboard that dynamically illustrates trends in social media usage across three countries and multiple age groups

SQL COVID Data Exploration, Personal Project

February 2024 – February 2024

- Investigated COVID-19 data collected from OurWorldInData to gather insights and to practice queries, JOINS, CTEs, temporary tables

LEADERSHIP & ACTIVITIES

Founding President, Hispanic Association of Computing College Students (2023 – 2024)

- Led a new student organization on campus to increase support and representation of Hispanic and Latine students in computing majors, increasing membership from 20 to 266 in 1 year. Collaborated with various faculty and industry leaders to host 15 workshops and networking events tailored for members per semester.