Matthew J. Neto

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Objective

To utilize my strong analytical and technical skills in a challenging data science role, where I can contribute to meaningful decision making through the application of statistical analysis, machine learning and data visualization techniques, and drive data-driven insights and solutions that support the company's business objectives. Available start date: May 2023

Education

Georgia Institute of Technology | Atlanta, GA   *August 2022 – Present*
Bachelor of Science in Computer Engineering, GPA 3.50   Expected Graduation, December 2025

Skills

Programming: Java (6+ years), Python (3+ years), React, C#, HTML, CSS, JavaScript, Mediapipe (framework), Git
Electronics: Arduino(3+ years), Raspberry Pi, Soldering, NodeMCU, ESP32, 3-Phase motor control, circuit design/analysis
Software: AutoCAD, Autodesk Inventor, Circuitmaker, Solidworks, Cura, Unity, Blender, Shapr3D, Adobe Premiere, LaserGRBL
Languages: English (fluent), Spanish (conversational)

Projects

"Glide: Mobile" | Independent Game Development   *Mar. - July 2021*
Developed and implemented a highly engaging hyper-casual mobile game featuring procedurally generated terrain, device gyroscopic controls, multithreading, and visually stunning Graphical User Interfaces. Players navigate through obstacles and collect in-game currency while flying in the game.
- Storing player data in serialized .JSON files
- Mobile monetization implementation
- Built in **Unity** using **C#**
- Consumer feedback data monitored and analyzed to make changes

"Maze Out" | Independent Game Development   *May - Sept. 2016*
Developed a rage-inducing, multi-level puzzle game featuring custom music and graphics, and player customization options.
- Built in **Java**, embedded **applet** into **itch.io** with 63 consumer downloads
- Digital 3D, sprite sheet, and frame-by-frame animations

Automated Light Show   *Aug. - Nov. 2022*
*Designed and built a 42" wooden "traffic light" using **Arduino** to deliver an exciting, elegant, and fully customized light show*
- 3 x 50 Watt RGB LEDs; utilized PWM; custom PCBs
- IR remote control, 18 programmable functions
- Sounds sensor; allows light brightness to be controlled by music/sound

Experience

Lerch Bates | New York, NY   *January 2018 – May 2022*
Intern
- Completed miscellaneous tasks to improve company efficiency and boost productivity.
- Activated company phones; repaired equipment; organized company files for easy access.

Relevant Coursework

Data-structures & Algorithms   *Fall 2022*
- Developed knowledge in arrays, linked lists, trees, and graphs, and algorithms for performing
  operations on these structures, such as searching, sorting, and traversing and the efficiency to do such tasks.

Google Data Analytics Certificate *(online)*   *Spring 2023*
- Introduced to the world of data analytics through hands-on curriculum developed by Google. I developed in-demand data
analytics skills using spreadsheets, SQL, Tableau, R, and more.

Digital Systems Design   *Spring 2023*
- Explored digital design at the layers from switches and wire to a programmable machine. At
each layer, the design process of transforming an analysis of data into an implementation was introduced
and practiced.