

Michael Alvarez

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EDUCATION

Rasmussen University | Bachelor of Science

Ocala, FL | **01.2018 – 09.2022**

- Major in Computer Science
- Member of Academic Honors
- Cumulative **GPA**: 3.74/4.00
- **Programming Coursework**: Algorithms & Data Structures, E-Commerce Development, Operating Systems & Architectures, Networks, Big Data, Scripting, Quality Assurance Engineering, Software Engineering, Software Security, Web Analytics, Cloud Computing

SOFTWARE PROJECTS

Personal Brand: <https://michaeldev.tech/> (for additional information and projects)

- Made use of front-end technologies to elaborate a responsive design website intended for brand advertisement.
- Designed and constructed a seamless CI/CD with a cloud service.

Women's National Basketball Association | *Python, Pandas, Matplotlib, Streamlit*

- Developed an interactive exploratory data analysis web application that allows users to filter displayed data based on specific parameters.
- Analyzed and retrieved the data via web scrapping.
- Incorporated an agile software development life cycle structure.

Data Inventory | *MySQL, Tkinter, Python*

- Created a desktop application for managing data inventory that is connected to an external database.
- Incorporated the capability to create, read, update, and delete data through the user interface.

Newsletter Signup | *Node, Express, Mailchimp API, HTML, CSS, Bootstrap*

- Designed and developed a website featuring a REST API, which enables users to subscribe for an email newsletter.

Coffee Rating | *Flask, Python, Jinra, WTForms, Bootstrap, CSV*

- Built a web application using Flask, which displays a selection of coffee shops along with information regarding the availability of power sockets, Wi-Fi speed, and coffee quality.
- Incorporated a hidden pathway with the web application that can be accessed by users with knowledge of its existence, in order to input additional data.

SKILLS

Programming Languages

Tools: Python, JavaScript, HTML, CSS, SQL, Git

Frameworks: Bootstrap, Flask, Node, Express, Streamlit

Software Tools

IDE: Visual Studio, PyCharm

Database: MySQL, MongoDB

Analytics: Jupyter, Pandas, Matplotlib, Excel

Operating Systems

Mac OS, Windows, Linux (Ubuntu)