

# Michael Alvarez

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## EDUCATION

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**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

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## SOFTWARE PROJECTS

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**Personal Website**: <https://michael-pfl.streamlitapp.com/> (for additional information and projects)

**Women's National Basketball Association** | *Exploratory Data Analysis Web App*

- 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.
- **Utilized**: Python, Pandas, Mathplotlib, Streamlit

**Coffee Rate** | *Web App*

- Developed a Flask web app that shows a collection of coffee shops with data on power sockets availability, Wi-Fi speed, and coffee quality.
- Integrated a secret route which doesn't have a button, but those in the know should be able to access it to add more data into the web app.
- **Utilized**: Python, Flask, Jinra, WTForms, Bootstrap, CSV

**Data Entry** | *Desktop App*

- Developed a data entry desktop app that is connected to an external database.
- Implemented a create, read, update, and delete functionality into the UI.
- **Utilized**: Python, Tkinter, MySQL

**Responsive Portfolio** | *Mobile-First Design Website*

- Made use of front-end technologies to elaborate a mobile-first design website intended for portfolio cases.
- **Utilized**: HTML, CSS, JavaScript

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## SKILLS

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### Coding Languages

**Proficient**: Python, HTML/CSS, SQL

**Familiar**: Java, JavaScript

### Software Tools

**IDE**: PyCharm, Visual Studio, Eclipse

**Database**: MySQL, MongoDB

**Analytics**: SAS on Demand

**Design**: Canvas

### Operating Systems

Mac OS, Windows,

Linux (Ubuntu)