

# Ziyan Imran

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## EDUCATION

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**University of Baltimore County**  
*Bachelor of Science, Minor in Statistics*

Catonsville, MD  
January 2022

## EXPERIENCE

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### Python Developer

January 2022 – Present

*GAMA-1*

*College Park, MD*

- Containerized satellite processing algorithms into an easily configurable platform for end users to use by utilizing docker and AWS
- Automated sequential running of satellite processing algorithms through various python wrapper scripts in near real time
- Created data pipelines to organize and process large amounts of satellite data dependent on regional coverage

### Junior Automation Programmer

Nov. 2020 – December 2021

*Smithers PDS, LLC*

*Gaithersburg, MD*

- Same as below. Company name change in September 2019
- Subject Matter Expert on Hamilton Star Series Liquid-Handling Robot
- Created lab workflows that increased efficiency in subject processing and project timeline completion
- Maintained and developed macros written in Visual Basic and VBScript to increase productivity for revenue-generating projects

### Independent Contractor

Dec 2017 – Dec 2018

*Smithers Avanza Bioanalytical Services, LLC*

*Gaithersburg, MD*

- Created macros using Visual Basic and VBScript to increase productivity in our financial and scientific research sectors
- Maintained and updated data pipelines to expedite information transfer between lab scientists and project managers

## PROJECTS

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**Nanoleaf** | *Python, Flask, Bootstrap, Docker*

Feb 2022 – Present

- Developed a full-stack web application using Flask and with basic JavaScript/CSS/HTML with Bootstrap serving as the frontend
- Visualizes and controls Nanoleaf smart LED Panel system for home use

**Telegram Bot** | *Python, Google Cloud Platform*

Sep 2021 – Present

- Implemented basic Telegram bot that adds text modification 'slash' commands

## TECHNICAL SKILLS

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**Languages:** Python, SQL (Postgres), Rust, JavaScript, HTML/CSS, R

**Frameworks:** React, Vue.js, Flask

**Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, PyCharm

**Libraries:** pandas, NumPy, Matplotlib