

# Joseph Buck

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## EDUCATION

### **Franklin & Marshall College (F&M)**

Lancaster, PA

- B.A. Computer Science
- GPA: 3.25

May 2024

## SKILLS

- CSS, HTML, JavaScript, Git (<https://github.com/Jbuck7>), Python, C++, Java, HTTP, REST APIs, Agile and Test-Driven Development
- Learning: Node.js, React, Docker, AWS

## PROJECTS

### **Todo List Web Application**

Current

- This project's goal is to create a web app that I will use daily that is stylized to my liking.
- To create this project I am using CSS, HTML, React, Node.js and Google Calender API to allow my tasks to be automatically added to my google calendar.
- Once complete I will deploy it onto the web for others to use.

### **Custom Web Server Framework: Shotgun**

Apr. 2024

- The goal of this project was to create a bare bones web server framework that can host simple websites.
- This project required learning about HTTP, WSGI, and Flask for inspiration.
- The source code is public and can be found here: <https://github.com/Jbuck7/Shotgun>

### **Android Application for NPO**

Mar 2023 - May 2023

- Worked in a team of four using Agile development to create an application for peer-to-peer outreach.
- Made use of Firebase Realtime Database, Android Studio, and Google Apps Script to allow future admins to manage the database in a way they already understood via Google Sheets.

## EXPERIENCE

### **Physics & Astronomy Department, F&M**

June 2021 – Aug. 2021

#### *Research Assistant*

- Performed analysis of telescope data using a program called CLASS.
- Developed a Python application, with a GUI to scan data sets for peaks.
- Presented the work at the F&M Fall 2021 Research Fair.

### **Project NATO SPS G5731: DEMINING ROBOTS, F&M**

Feb. 2022 – Aug. 2022

#### *Research Assistant*

- Worked to help develop drivers for communication between the camera and robots operating system.
- Worked with colleagues from Italy, Ukraine, and Jordan.
- Presented at the F&M Fall 2022 Research Fair

## LEADERSHIP & VOLUNTEER EXPERIENCE

### **Phi Kappa Sigma, F&M**

Jan. 2023 – Dec. 2023

#### *Secretary*

- Helped set up and work fundraising events for the Leukemia & Lymphoma Society.
- Ran our weekly chapter meetings and took notes on the other officer's reports.
- Sent reports to nationals on the status of our chapter meetings.

### **Phi Kappa Sigma, F&M**

Jan. 2024 – May. 2024

#### *Security and Risk Management*

- Provided the students of F&M with a safe and inclusive space to have fun.
- Held fellow members to the behavioral standards we have set.
- Worked directly with F&M faculty to resolve conflicts.