

## **Statement of objectives**

As someone who is passionate about entrepreneurship and innovation, I see the position of Vice President of Finance as an incredible opportunity to gain hands-on experience in managing finances, budgets, and investments. I am eager to learn from the GPSS's 46 years of experience in managing finances, budgets, and investments. I recognize the importance of regulated finance procedures, which are vital for the success and longevity of any organization.

This experience will be especially valuable as I work towards my future robotics startup. I believe that the skills and knowledge I will gain in this position will enable me to make sound financial decisions, manage resources effectively, and ultimately, contribute to the success of my startup. I am excited about the prospect of working with the GPSS team to ensure that the organization's financial resources are utilized optimally while also building a strong foundation for my future as an entrepreneur.

My primary objective will be to ensure the financial stability and growth of the organization by overseeing all GPSS expenditures, keeping accurate financial records, and administering all funding and transfer requests in accordance with GPSS Bylaws. My dedication to maintaining accurate financial records at all times will enable me to respond to any internal or external inquiries regarding the organization's financial status. I am confident that my strong leadership abilities, attention to detail, and strategic financial planning skills make me the ideal candidate for the role of Vice President of Finance.

In addition, my previous experience as the University Affairs Director two quarters back at GPSS has given me valuable insights into the workings of the organization and a deep understanding of the needs and concerns of graduate students. This experience will allow me to collaborate effectively with the Executive Committee, Senate, and other committees to achieve the goals and objectives of the organization while also ensuring that the financial resources of GPSS are utilized optimally.

# Tejoram Vivekanandan

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## EDUCATION:

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### UNIVERSITY OF WASHINGTON, SEATTLE, WA

Sep. 2022 – Present

Master of Science in Electrical Engineering (Specializing in Computer Vision)

Coursework: *Statistical Learning, Artificial Intelligence for Engineers, Probability and Random Processes*

### COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE, INDIA

Aug. 2016 – Oct. 2020

Bachelor of Engineering in Electronics and Communication Engineering

GPA: 8.66/10.0

Relevant Coursework: *Robotics, Digital Image Processing, Data Structures & Algorithms, C Programming, Programming in JAVA*

## SKILLS:

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**PROGRAMMING LANGUAGES:** Python, MATLAB, C/C++, Embedded C, Java

**FRAMEWORKS:** Keras, Tensorflow, Pytorch, OpenCV, Git, HTML

## VOLUNTEER EXPERIENCE:

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### HUB Board of Director | HUB, UW

Jan. 2023 – Present

- Addressed safety aspects of HUB.
- Maintained the trade-off between safety and inclusiveness when security is off in the evening.
- Concentrated on increasing profitability of the HUB.

### University Affairs Director | GPSS, UW

Dec. 2022 – Jan. 2023

- Managed Hiring and onboarding of Senators.
- Worked on statistics of GPSS internal diversity and have presented with what to improve on.
- Created and maintained GPSS webpages.

## PROFESSIONAL EXPERIENCE:

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### Robotics Lab – Paul G. Allen School of CSE | Research Assistant | U of W Seattle, WA

Sep. 2022 – Present

- Research Topic: “Object shape completion for UR16e robot”
- Working on an object grasping project funded by Amazon Robotics to automate warehouses.

### Computational Imaging Lab – Indian Institute of Technology, Madras | Project Associate | India

Sep. 2021 – Aug. 2022

- Research Topic: “Restoring extreme dark night-time images and Stereo depth estimation for Autonomous Vehicles”
- Developed a neural model which enhances low light images of 2-5 lux.

### NASA – Jet Propulsion Laboratory | Research Intern | Pasadena, California

Sep. 2020 – Sep. 2021

- Research Topic: “Correlation between color changes in Jupiter’s storm “Oval BA”, cloud heights and ultraviolet exposure”
- Implemented an algorithm for image processing pipeline automation which processed data of more than two decades.

### NRSC – Indian Space Research Organisation | Research Intern | Hyderabad, India

Nov. 2019 – Aug. 2020

- Research Topic: “Shadow Detection and Radiometric Restoration in VHR Satellite Imagery”
- Implemented region-based image segmentation and achieved average restoration accuracy of 96%.

## PUBLICATIONS:

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1. Tejoram V et al., **Shadow Detection and Radiometric Restoration in VHR Satellite Imagery**, Journal of the Indian Society of Remote Sensing, 2022 [Under Review]
2. Tejoram V et al., **Autonomous Vehicle Using Artificial Intelligence**, Proc. Springer Int. Conference - Smart Materials and Techniques for Sustainable Development, 2019

## **OFFICER CANDIDATE NOMINATION FORM 2023-2024**

This form is to be completed by the candidate and submitted to the Elections Committee ([gpsselect@uw.edu](mailto:gpsselect@uw.edu)), by Wednesday, **April 26, 2023, 5:30 PM** in order for candidate information to be posted on the GPSS website and by **Thursday, April 27, 2023** to be distributed via email to Senators. Senators wishing to nominate themselves from the floor must also provide this information at time of nomination.

1. Full Name: Tejoram Vivekanandan
  
2. Graduate or professional program of study: MS, Electrical Engineering
  
3. Are you currently a registered student? **Yes** (X) **No** ( )
  
4. Do you expect to be a graduate or professional student during the 2023-2024 academic year (Fall, Winter & Spring Quarters)? **Yes** (X) **No** ( )
  
5. The position you are running for is: Vice President of Finance
  
6. Indicate at least three GPSS Senate or committee meetings, including at least one meeting conducted under rules of parliamentary procedure, that you have attended during the 2023-2024 academic year prior to the election meeting.
  - See Section 2.1 of the Elections Guide for a list of qualifying committee meetings.
  - 19th October
  - 2nd November
  - 16th November
  
7. Do you understand and acknowledge that you should be able to work for GPSS for 19.5 hours per week during the 2023-2024 academic year, including 8 hours per week in the office (4 for President) between the standard business hours of 8:00 a.m. and 5:00 PM, Monday through Friday? **Yes** (X) **No** ( )
  
8. If 'No' to question 7, please explain:

## **Affirmative Statements**

I, Tejoram Vivekanandan, do not have any responsibilities (be them academic, employment, or personal) that might prevent me from fulfilling the responsibilities as a GPSS Officer. I affirmatively declare that I meet the eligibility requirements outlined in the GPSS Election Guide.

The requirements as stipulated are:

- I am enrolled as a graduate or professional student at the time of the election or will be enrolled during the Fall, Winter, and Spring quarters of 2023-2024.

**Yes (X) No ( )**

- I am not a member of the Elections Committee.

**Yes (X) No ( )**

- I have attended at least 3 GPSS Senate or qualifying committee meetings, including one conducted under rules of parliamentary procedure, prior to the Elections meeting during the 2022-2023 academic year.

**Yes (X) No ( )**

- I will intend to maintain full time student status during the term, if elected and be on campus through the 2023-2024 academic year (Fall, Winter and Spring). *Vice President of External Affairs is permitted to take a reduced course load during Winter Quarter.*

**Yes (X) No ( )**

- I will be able to work 19.5 hours per week during the 2023-2024 academic year, including 8 hours per week in the office (4 hours per week for the President) between 8:00 a.m. – 5:00 PM, Monday through Friday.

**Yes (X) No ( )**