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# Welcome to: OpenVessel



Happy 2021 and welcome to the team!

We're very excited to have you on board and to introduce you to our business, which we have spent the last year building from a wee, itty-bitty idea that entered the Nittany AI Challenge.

you will be valued teammates and contributors from here on out.

*Our* goal will be to provide you with the education and experience you need to successfully contribute.



Chances are that you have joined us because you are passionate about data science, programming, technology, and creativity. More than likely, you're also someone who loves to roll up your sleeves and make projects happen.

As you go forward, ask yourself what is possible and don't be afraid to shoot for creative approaches to your work. We want you to be inventive!

We have a lot of great work to do and can't wait to see what you've got! *From all of us on the team, cheers! And good luck!*

The great news is that you will be able to do that with us. Our team members have worked in pointless, low-reward internships.

We weren't fans then, and definitely aren't now. So let's be straightforward -- your internship will actively involve you. For all purposes,



# The\_OpenVessel\_Team



**Leslie Wubbel**

**Founder, CEO**

PSU, Class of 2020

**Current location**

Swiftwater, PA

**Hometown**

Swiftwater, PA



**Greg Glatzer**

**Chief Technology Officer**

PSU, Class of 2023

**Current location**

State College, PA

**Hometown**

Yardley, PA



**Rishyak Panchal**

**Chief Operating Officer**

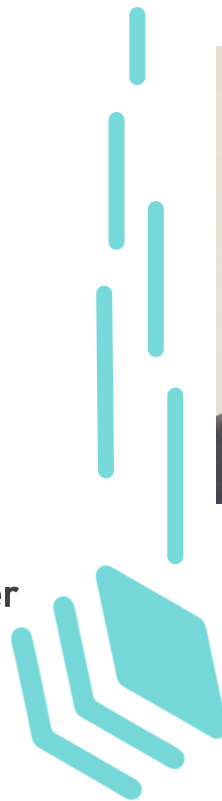
NYU, Class of 2023

**Current location**

New York, NY

**Hometown**

Mumbai , India



**Nathaniel Leies**

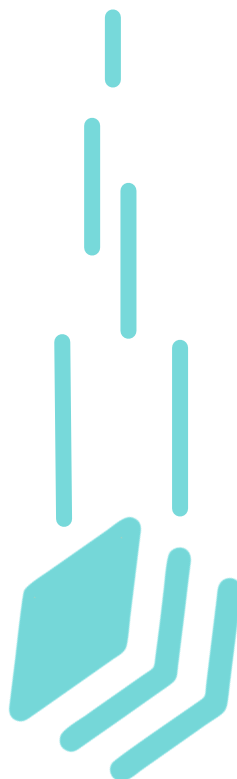
**Business Development**

Susquehanna, Class of 2018

**Current location**

Swiftwater, PA

**Hometown** Swiftwater, PA



**Alex Schweizer**

**Code Analysis Lead**

PSU, Class of 2022

**Current location**

State College, PA

**Hometown**

Downingtown, PA



**Harsh Gupta**

**Web Developer**

PSU, Class of 2024

**Current location**

State College, PA

**Hometown**

Dubai, UAE



**Shubhang Sharma**  
Lead Web Developer

Georgetown, Class of 2022

**Current location**  
Jaipur, India

**Hometown**  
Jaipur, India



**Nathan Reilly**  
Product Developer

PSU, Class of 2024

**Current location**  
State College, PA

**Hometown**  
Hatboro, PA



**Dane Sapienza**  
Chief Legal Officer

PSU, Class of 2020

New England Law at Boston

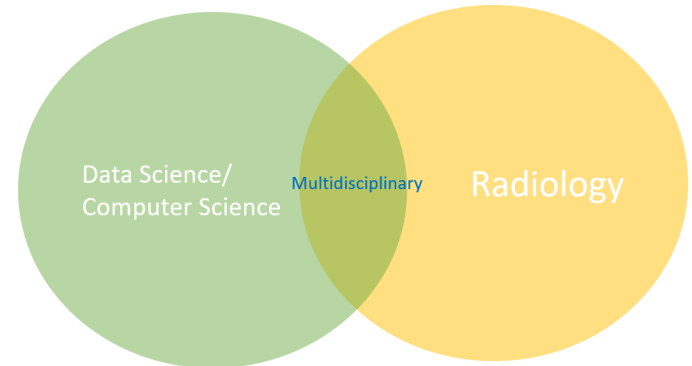
**Current location**  
Washington County, PA

**Hometown**  
South Fayette, PA

# Mission

Our mission is to make life easier for medical professionals.

We do this by giving them ML/AI software that provides fast results, high accuracy, and new capabilities lacking in the tools they use now.



# Our Work



To make our mission happen, we conduct research and develop software. Our primary objectives are:

- **Build trust with medical professionals through collaboration and partnership**
- **Complete a Minimal Viable Product (or “MVP”)**

Currently, we are building software intended for radiologists. The ability to use radiation to diagnose and treat patients has existed for over 125 years, starting with Wilhelm Roentgen's creation of the X-Ray in 1895.

Fast Forward to 2021. We are now at a point in medicine where X-Rays, CT Scans, and other medical images are all *digital*. They all, therefore, contain *data*.

Our software intends to provide insights from the limitless amounts of data maintained by hospitals. Specifically, in working with medical images, our software can help radiologists find and rank illnesses in images.

## Brief History

**February, 2020**

OpenVessel, a PSU student-founded group, entered Nittany AI competition. We called ourselves “Vessel” back then.

**August, 2020 -**

We finished a segmentation/ visualization web application, our final submission for the Nittany AI Challenge.

**September, 2020**

OpenVessel is awarded 2nd place in the Nittany AI Challenge, along with recognition and funding!

**December, 2020**

Sunil Jeph, of Penn State Health, partners with us to work on Liver Lesion AI. Provides groundwork for this internship!

# The\_ Internship

From February 1st until April 30th, you will contribute to OpenVessel's Research and Development and as we pursue liver lesion research with Penn State Medical.

This research includes tasks such as curating medical data and designing software. We will cover this more in depth in the days to come. This internship will also provide you with a firsthand experience of how to build a technology startup from the ground up.

The goals of this project and our program approach can be found in the presentations included with this packet: "[Goals and Objectives](#)"; "[Interning with OpenVessel.](#)"

Leslie Wubbel will be your supervisor and responsible for administering your internship, especially if you wish to count the internship towards the IST 495 course offered by the Penn State College of Engineering. Leslie will meet with you biweekly to discuss your progress.

## What\_we\_ expect\_of\_you

We simply ask that you ***show up to work sessions***, do great work, be creative, and ask for help when you need it.

We need you to do the following to help us include you:

1. Share your class schedule with us ASAP
2. Schedule conflicts? Message your team lead via email or slack
3. In client meetings, please be communicative and involved with our clients! We want you to pick their minds, ask questions, understand their needs, and try to learn from them.

Don't be afraid to admit when you do not know something. Believe us, it is a regular, unavoidable part of the job. In fact, finding answers to things we don't know IS our job.

Our members support one another and continue to show up day after day, put in the work, and make things happen. Your talents and abilities are valuable and can make all the difference, so we ask that you do the same.

# Orientation Schedule – Essential Information at a Glance

**Monday, 02/01/2021**  
**6pm—8pm EST**

*Location: [psu.zoom.us/j/9804654000](https://psu.zoom.us/j/9804654000)*

- I. Welcome and Introductions (30 minutes)
- II. How the internship project works (15 Minutes)
- III. Dr. Jeph Lecture (45m - 60m)
- IV. Take-home assignments and last call (10 minutes)

**Tuesday, 02/02/2021,**  
**6pm—8pm EST**

*Location: [psu.zoom.us/j/9804654000](https://psu.zoom.us/j/9804654000)*

- I. Discuss reading material | Group forum
- II. In-depth technical orientation for whole group

## Zoom Meeting Rooms

- [psu.zoom.us/j/9804654000](https://psu.zoom.us/j/9804654000) - Technical Team workplace
- [psu.zoom.us/j/9804654000](https://psu.zoom.us/j/9804654000) Channel for interviews and talking with folks outside our team

## Slack

All of our slack channels are private. Except for Main Deck and Partnership.

Be yourself, but be professional! Our partners at Penn State Health are members of these channels and read what we post.

## Web Presences

- [OpenVessel.org](https://OpenVessel.org)
- [Dev.openvessel.org](https://Dev.openvessel.org)
- [Github.com/OpenVessel](https://Github.com/OpenVessel)
- [LinkedIn.com/company/OpenVessel](https://LinkedIn.com/company/OpenVessel)

