

Vaishakh Vinod Kumar

847-867-1479 • vvinodku@purdue.edu • <https://github.com/vvinodku>

OBJECTIVE:

As a self-motivated and diligent professional, I seek to obtain an internship in the Software and Engineering fields to enhance my technical skills and industry working experience.

EDUCATION:

Purdue University, West Lafayette, IN

August 2019 – December 2022

Bachelor of Science in Computer Engineering, Purdue Presidential Scholarship.

Adlai E. Stevenson High School, Lincolnshire IL

August 2015 – May 2019

Graduated with Highest Honors, National Honor Society, Illinois State Scholar, 4.5 GPA.

EXPERIENCE:

ProjectX Safe Campus, West Lafayette, IN

June 2020 – July 2020

Summer Intern

- Worked on a framework for a COVID-19 response app that obtained information on local restaurant and chain businesses to better inform off-campus students about available goods and services during the crisis.
- Created and presented a case study that offered solutions including improved enforcement by police.

Illinois Institute of Technology, Chicago, IL

May 2018 - August 2018

Data Science Research Intern

- Produced the training data and programmed two neural network systems in Python to identify the chemical composition of Transmission Electron Microscopy images and identify images that were deficient.
- Introduced to both Convolutional and Residual type neural networks.
- Created a poster for a large event showcasing our project. Presented to research professionals and students.

EPICS – Aero and Astro Engineering Education

August 2019 – May 2020

Project Liaison and Communications Officer

- Assisted in rebuilding circuitry and programming the Arduino GUI system for a Wind Tunnel exhibit.
- Communicated with client about necessary modifications to allow for durability and safe use by kids.
- Integrated safety switches, a locking mechanism for the Wind Tunnel door, and a team website that is still in use.

RELEVANT SKILLS:

Programming: Python, Java, HTML/CSS, JavaScript

Frameworks/Libraries/Tools: Node.js, React, Ajax, Git, Selenium

Other Software: CATIA, SOLIDWORKS, Autodesk Inventor, MATLAB, Excel

PROJECTS:

Purdue Space Program

August 2019 – Present

- Solid Rocket Team, working on Structures, CAD modelling of the nose of our solid propellant rocket.
- SSPI Team Member working on satellite report concerning space debris and potential solutions.

Personal Projects, found on GitHub

- Python based Instagram Bot that calculates users who you follow but do not follow back (Python, ChromeDriver)
- (In Progress) Personal and Club based website for the Purdue Stand Up Comedy Community (HTML, CSS, JS)

LEADERSHIP/SERVICE:

Volunteer, Purdue Space Day

August 2019 - Present

- Created and held activities educating local students about space exploration and other STEM fields.

ADDITIONAL INVOLVEMENTS: Stand-Up Comedy Community @ Purdue, Purdue Solar Racing, Intramural Referee, TEAMS National Engineering Contest (Captain SHS Team), SHS Physics Club (President).