

MIHIR TIWARI

STUDENT

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EDUCATION

Purdue University
B.S. Computer Science 2019
Focus in Machine Learning
Minor in Management
GPA: 3.97/4.0

SKILLS

PROFICIENT: Java
INTERMEDIATE PROFICIENCY: Python, HTML, CSS, C
WORKING: Python Flask, Objective C

EMPLOYMENT

Princeton Plasma Physics Lab Princeton, New Jersey
Web Designer (intern) Sep 2015 to Jan 2016

- **Created and maintained primary website** for the new Laboratory for Plasma Nanosynthesis (nano.pppl.gov) at PPPL to display their research and facilities
- Built using **HTML** with the **Bootstrap CSS framework**

PROJECTS

Prescription Merge Conflict (PMC) Feb 2017 to Mar 2017

- **2nd Place Health and Wellness prize at HackIllinois 2017** for web app that enables a doctor to compare proposed medication to a patient's current medication(s) to determine dangerous interactions
- Built server and API using **Python Flask** with calls to National Institute of Health, Open Epic, and Intelligent Medical Objects APIs

Holo-AR Oct 2017 to Oct 2017

- **Used augmented reality** to display nutritional and bank information to a user when they took pictures of food
- Built backend using **Python Flask**, trained Clarifai model to recognize images of food, and built iPhone companion app using **Swift and ARKit**

Congress Facts Jun 2017 to Aug 2017

- **Developed an Alexa skill** informing users who their Congressional representatives are that was **published by Amazon**
- Built using **Flask-Ask, a Python library**, and the **ProPublica Congress API**

ACTIVITIES

Hello World · Director of Communications Apr 2017 to Sep 2017

- Hello World is Purdue's introductory hackathon designed to familiarize freshmen with hacker culture
- **Managed a team of six** to contact Purdue organizations, to organize technical workshops, to arrange mentors and volunteers, and to advertise the event
- Brought in **300 applications, more than 40 mentors**, and **organized 6 technical workshops**

The Anvil · Ambassador - Student Board Sep 2016 to Current

- The Anvil is a self-funded and student-run organization that supports the entrepreneurial community located within Purdue University
- **Liaison for organizations, faculty, and students** who want to know more about The Anvil
- Pitched The Anvil to companies for sponsorship and donations

Purdue Hackers · Organizer Oct 2017 to Current

- Purdue Hackers is a **1100+ member organization** that throws events throughout the semester; organizes buses to hackathons; and hosts Purdue's freshman hackathon Hello World
- **Improved sponsorship packet** and reached out to companies and individuals to raise money
- **Collaborated with other organizations** to throw events for students

AWARDS

HackIllinois · **2nd Place Prize in Health and Wellness category** Feb 2017
Built Prescription Merge Conflict, a web app that enables a doctor to compare proposed medication to a patient's current medication(s) to determine dangerous interactions

Purdue Hackers · **Hacker of The Month** Mar 2017
Recognized out of the Purdue computer science community for demonstrating the mission of Purdue Hackers and the work I have done both in and out of school

Purdue University · **Dean's List and Semester Honors (2x)** May 2017

COURSEWORK

Past: Intro to Computer Science, Discrete Mathematics, Programming in C, Introductory Accounting
Current: Data Structures and Algorithms, Computer Architecture, Management Accounting, Statistical Methods