MIHIR TIWARI
STUDENT

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in mihirtiwari ○ mihirtiwari

EDUCATION

Purdue University
Bachelor of Science Computer Science 2019
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**

Blindside   Sep 2017 to Sep 2017
- Used Dragonboard 410c to build **Internet of Things hack** that allows a user to control their blinds remotely
- Built companion iPhone app using **React-Native**

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

FIRST Robotics - The MidKnight Inventors · Build Director   Jan 2014 to Jun 2016
- **Led the team to a third place overall win** in the FIRST Robotics Competition
- **Mentored and advised** team members on implementations of mechanical systems
- **Implemented the first Tool Certification program** designed to teach members how to properly use tools on site

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, Foundations of Computer Science, Programming in C, Introductory Accounting
Current: Data Structures and Algorithms, Computer Architecture, Management Accounting, Statistical Methods