MIHIR TIWARI
STUDENT

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Education

Purdue University
Bachelor of Science
Computer Science 2019
Minor in Management

Skills

PROFICIENT
Java

INTERMEDIATE PROFICIENCY
Python
HTML
CSS

WORKING
C
Python Flask

Coursework

Past Coursework:
- Intro to Computer Science
- Microeconomics
- Foundations of Computer Science
- Programming in C
- Introductory Accounting

Current Coursework:
- Data Structures and Algorithms
- Computer Architecture
- Management Accounting
- Statistical Methods

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

Congress Facts   Jun 2017 to Current
- **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**

Tab Scraper   Jun 2017 to Jun 2017
- Grabbed and downloaded the top 3 guitar tabs on Ultimate Guitar for any song based on reviews or number of stars
- Built using **BeautifulSoup**, a Python library, in order to scrape Ultimate Guitar

Activities

Hello World · Director of Communications   Apr 2017 to Current
- Hello World is Purdue's introductory hackathon designed to introduce freshmen to 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 **275 applications, more than 40 mentors,** and **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**   May 2017
Recognized for a cumulative GPA of 3.94 at the end of the semester

Purdue University · **Dean's List and Semester Honors**   Dec 2016
Recognized for a cumulative GPA of 4.0 at the end of the semester