

MIHIR TIWARI

STUDENT

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Education

Purdue University
B.S. Computer Science 2019
Focus in Machine Learning
Minor in Management and Mathematics
GPA: 3.99/4.0

Skills

PROFICIENT: Java
INTERMEDIATE PROFICIENCY: Python, C/C++
WORKING: Javascript, Python Flask

Employment

Evernote Redwood City, California
Software Engineering Intern May 2018 to Aug. 2018

- **Discovered critical design flaw** in existing microservice and **proposed a solution** to the problem that was **accepted by the engineering team**
- **Led and completed implementation** of a more robust design for the service
- **Built tools and infrastructure** for a backend service used to manage A/B experiments and promote product growth
- Used various languages, tools, and frameworks including **Java, Javascript, Maven, Protobuf, and Guice**

CS 177: Python Programming Purdue University
Teaching Assistant Jan. 2018 to May 2018

- Provided assistance to students during lab as well as graded their lab assignments in a timely manner
- Held office hours every week for students to ask questions about the content or assignments

Projects

Prescription Merge Conflict (PMC) Feb. 2017 to March 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 June 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 April 2018 to Sept. 2018

- Hello World is Purdue's introductory hackathon designed to familiarize freshmen with hacker culture
- **Managed a team of 26 students** to organize a **250+ person hackathon** over a 6 month period
- Previously **Director of Communications (2017)**, during which **my team of six** brought in **300 applications, more than 40 mentors**, and **organized 6 technical workshops**

The Anvil · Director of Finance - Student Board Jan. 2018 to Current

- The Anvil is a self-funded and student-run organization that supports the entrepreneurial community located within Purdue University
- **Managed a team of three students** to pitch The Anvil to companies and departments for sponsorship
- **Oversaw budget** for The Anvil and kept track of costs related to the organization and our startup accelerator program, The Boiler
- **Raised \$25,000** in 2017-2018 school year

Purdue Hackers · Treasurer April 2018 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
- **Created sponsorship packet** and reached out to companies and individuals to raise money
- **Handled funds** for the organization including reimbursements and expenses for events

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 March 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

Coursework

Past: Data Structures and Algorithms, Accounting, Systems Architecture, Data Mining and Machine Learning, Financial Mathematics
Current: Analysis of Algorithms, Relational Database Systems, Financial Management