

Utkarsh Jain

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Education

BACHELOR OF SCIENCE | PURDUE UNIVERSITY

EXPECTED MAY 2020

- Major in Computer Science and Minor in Math.
- Coursework: Advanced Algorithms, Data Mining, Systems Programming, Data Structures, OOP, Linear Algebra, Discrete Math

Experience

SOFTWARE DEVELOPER INTERN | USAA

MAY 2018 - AUG 2018

- Working on health monitoring system for Data Analytics Insights Platform for USAA.
- Developed PoC using Apache Flink and Apache Kafka to use compute metrics from beat agents, NiFi modules and streams for data processing and adding it to Hive.
- Created routes to predict failures and outages using compute metrics of associated systems.

UNDERGRAD TEACHING ASSISTANT | PURDUE UNIVERSITY

JAN 2018 - PRESENT

- CS 251 - Data Structures and Algorithms. Designing projects and labs during the semester to teach students DS and A.
- CS 193 - Tools. Teaching labs to help students learn how to navigate the terminal, use vim, git and other core concepts.

CO-FOUNDER AND DEVELOPER | CRYPTOLEAGUE

JAN 2018

- A platform which allows crypto enthusiasts to come together and practice their investment techniques by participating in leagues and win in-game tokens along the way.
- The site has over 50 users and received angel funding from Purdue Foundry.
- Worked on front-end development using Angular 5.0 and backend in Node.JS with MongoDB.

SOFTWARE DEVELOPER INTERN | NATIONAL SCIENCE FOUNDATION

JUN - JUL 2017

- Worked on algorithms to calculate the percentage of graph revealed as shortest path is found between random pairs of nodes across a graph.
- C++ using the SNAP library.

SOFTWARE TESTING INTERN | APPNIQUE.INC

JUN - AUG 2016

- Tested ad-target algorithms across different Facebook profiles and used Assembla for bug tracking.
- Automated testing of the Appnique website across different browsers using Selenium.

Projects

MARCOPOLO (NODE.JS)

- A Facebook chat bot which helps the user shop smarter and faster by automating the process of looking for the best product and contacting the seller.
- Scrapes Craigslist for finding the item the user is looking for, and auto bargain with the seller to find the best possible price for the buyer. This interaction is done over SMS.

MAILMAX (NODE.JS)

- Allows user to send text and email to a person at the same time; searches for a file from the user's Box account and attaches a copy with the email, and call a person to remind of pending emails.
- Won Best use of Mixmax API at MHacks 9 at Michigan, Ann Arbor from over 200 submissions.

SINLESS (ANDROID)

- Android app to motivate users to focus, swear less on text, and achieve their daily step goals by tying a financial penalty.
- Won Top 10 Award at Boilermake at Purdue University from over 100 submissions.

Technical Skills

- Advanced: Java, C, C++, JavaScript, HTML, Android App Dev
- Frameworks: Angular.JS, Node.JS, Apache Flink, Apache NiFi, Apache Kafka, Hadoop, Hive, MySQL/Azure SQL