Urvi Awasthi

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EDUCATION

University of Illinois at Urbana-Champaign   Expected Graduation: May 2023
B.S. in Computer Science, College of Engineering   *GPA: 3.95/4.0*
- Presidential Scholar 2019 — Dean's List Fall 2019 — National Merit Commended Scholar 2018 — 3 times 1st place, 1 time 2nd place in North Suburban Math League, ICTM Regional Math Contest 2017

EXPERIENCE

Country Financial   Bloomington, IL
Application Development Intern   *May 2020 - Present*
- **Won 1st place in the 8th annual Intern Case Study Competition doing research on how to attract Generation Z to the insurance industry**
- Improved overall application support, user-friendliness, and scalability of the Country Financial Business To Business portal by rewriting the user interface and backend in XHTML, CSS, JQuery, and JSF
- Automated the process of blocking spam emails by writing a program in Robot Framework and Python to execute human interactions with a otherwise black boxed vendor system

Fermi National Accelerator Laboratory   Batavia, IL
Scientific Computing Division Intern   *June 2018 - July 2018*
- Created technical documentation and tutorials to quickly onboard researchers to a new off-the-shelf data-acquisition system that collected terabytes of data generated during particle collision tests

Math Factor E   Naperville, IL
Tutor   *May 2018 - Aug 2018*
- One of the first employees of this commercial math-tutoring enterprise: http://www.math-factor-e.com/
- Taught competitive math to students to help develop critical-thinking and analysis skills for participation in local and regional math competitions

PROJECT HIGHLIGHTS

Pointless: Image Recreation With Circles   May 2020
- Recreates source images with iterative randomized optimization using only circles in C++ with Cinder
- Github repository: https://github.com/urviawasthi/Pointless

Mini Game   December 2019
- Utilized threading and object oriented programming to develop a fun android game in which users have to defend a base from randomly spawning enemies
- Github repository: https://github.com/urviawasthi/MiniGame

Lending Library   May 2019
- A virtual library simulation that allows users to donate and purchase books using Shopping Carts and Paypal Checkout
- Showcases full-stack web development skills using Node.js, Express, EJS, MongoDB, Bootstrap, Paypal Rest SDK, and JSON
- Heroku instance: https://urvinodejsdemo.herokuapp.com/

Vending Machine Information Database   January 2019
- An informational website to help IMSA students track various snacks available in vending machines around campus
- Showcases full-stack web development skills using PHP, MySQL, Apache XXAMP, JQuery, Bootstrap, Google Charts API, User Registration, Authentication, Data Encryption, Search, and Filtering
- Heroku instance: https://urviphpmysqldemo.herokuapp.com

ACTIVITIES

CS @ Illinois SAIL   December 2019 - Present
Logistics Team Co-director
- Contacted various businesses and companies for quotes and managed transactions regarding transportation, food, and student schedules for Sail 2020

Kode.io   December 2018 - May 2019
Co-Founder
- Founded this non-profit organization to promote Computer Science education in underprivileged school districts. Developed curriculum about HTML, CSS, Scratch, Arduino, Encryption/Decryption, and Python

PROGRAMMING SKILLS

Languages: Java, C++, HTML5, CSS, SQL, JavaScript

Technologies: Node.js, JQuery, MySQL, MongoDB, Heroku, Android Studio, Robot Framework