Chirag Bhardwaj

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EDUCATION

University of Wisconsin — Madison   Madison, WI
Bachelor's of Science in Computer Science   *Aug. 2020 – May 2024*
- Coordinator (Leadership position) for the Undergraduate Projects Laboratory.
- Won the Golden Brick Award for extraordinary contribution to Computer Science.
- Dean's List awardee.

EXPERIENCE

Software Engineer Intern   May 2022 – August 2022
UL Solutions (Underwriters Laboratories)   *Northbrook, IL*
- Spearheaded the Alarm-Hub app team. A one-stop solution for more than 50,000 UL clients to track their company's certification status, history, and inspection due dates.
- Debugged the Product IQ Beta feature and aided the transformation to Product IQ Production. Led to a completely overhauled user experience with 1.5x better performance than the beta.
- Extracted more than 15000 old records for companies certified by UL in the last 120 years. Enabled the team to find lost records and certificates.

Teaching Assistant: Calculus-II   January 2022 –
University of Wisconsin — Madison   *Madison, WI*
- Holding regular office hours for calculus-II. Helping over 500 students enrolled in Math 222 at UW-Madison.
- Spending 10+ hours every week in the drop-in Math Learning Lab as a tutor.
- Conducting group mentoring sessions every week.

Young Tech Intern   May 2021 – August 2021
MDC Testing
- Used SQL to extract more than 200 company wide reports.
- Created reports for more than 50 company specific clients.
- Learned about agile and scrum development processes.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Bash
Frameworks: React, React JS, Node.js, JUnit, Bootstrap
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Operating Systems: Mac, Windows, Unix/Linux

PROJECTS

Pineapple Payment | *NextJS, Stripe*   August 2022 – September 2022
- Developed using Stripe's API and NextJS: A fully functional and secure payment gateway prototype to sell Pineapples.
- Allows the user to set the number of Pineapples they want to buy.
- Accepts all major credit cards.

People in the Lab | *Python, OpenCV, Machine Learning*   March 2022 – May 2022
- A Machine Learning project in use at the university's CS building to provide live updates on the number of people in the Undergraduate Projects Lab.
- It identifies every human and increments the counter when they pass the prediction line and enter the lab. It also decrements the counter when someone leaves the lab.
- Assists the frequent lab goers to conveniently check when the lab is open.
- Future integration with Discord in the pipeline.

Chirag Coin | *Java, SHA-256, Blockchain*   May 2021 – July 2021
- A simple and secure blockchain using the SHA-256 protocol. It can be used to create, mine, and verify your personal "crypto" coin.
- It uses the previous coin's hash, the previous coin's data, and the current timestamp (accurate to the millisecond) for generating the new coin's hashcode.
- All coins generated through the blockchain are linked to each other making the transactions secure.