Chirag Bhardwaj

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EDUCATION

B.S. in Computer Science   **Graduating: May 2024**
University of Wisconsin-Madison · 2024

- Coordinator: Undergraduate Projects Laboratory. The premier CS Organization of UW-Madison.
- Featured #1 on UW-Madison CS Magazine.
- Golden Brick Award for extraordinary contribution to Computer Science.
- Dean's List.

RELEVANT COURSEWORK

Intro to Algorithms (CS577), Intro to Artificial Intelligence (CS540), Machine Organization and Programming (CS354), Advanced Programming and Data Structures (CS400), Object Oriented Programming (CS300), Linear Algebra (Math340), Discrete Math (CS240)

WORK EXPERIENCE

Software Engineer Intern
UL Solutions   **May 2022 -August 2022 | Northbrook, Illinois**
· 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.
· Learned about agile and scrum development processes. Participated in daily standups and DevOps updates.

Teaching Assistant: Calculus-II
UW-Madison   **January 2022 - Present | Madison, Wisconsin**
· 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.

SKILLS

Front-End: JavaScript, TypeScript, React.js, CSS, HTML
Back-End: Java, C/C++, Python, Node.js
Technologies: React.js, React Native, Bootstrap, Git, Bash
Databases: SQL, Oracle SQL
Operating Systems: Mac, Windows, Unix/Linux

RECENT PROJECTS

Pineapple Payment (Stripe)
August 2022 -August 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
UW-Madison · 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.

Chirag-Coin
Blockchain · December 2021 - March 2022
· 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.