

# SHAURYA KETHIREDDY

[shauryakethireddy@gmail.com](mailto:shauryakethireddy@gmail.com) | (309)531-6277 | [shaurya-k.github.io](https://shaurya-k.github.io) | US Citizen

## EDUCATION

**University of Wisconsin – Madison** – Madison, WI

*Bachelor of Science in Computer Sciences*

*Minors in Mathematics, Entrepreneurship*

Sept 2018 – Present

Expected Dec 2021

## RELATED COURSEWORK

Operating Systems, Algorithms, Combinatorics, Artificial Intelligence, Linear Algebra, Discrete Math, Database Systems, Cryptography, Combinatorial Optimization, Machine Organization, Business & Marketing, Risk Management, Data Structures

## PROFESSIONAL EXPERIENCE

**Sentry Insurance, Madison, WI** – *Software Developer Co-Op*

May 2019 – Present

- Fixed critical front-end and back-end defects throughout various web apps to improve runtime, system experience, and UI features in a fast-paced environment to ensure user satisfaction
- Converted the first web application in the organization from Struts to Spring MVC and created a standard for which other people use as a basis
- Transitioned to full stack development and worked on creating an application from scratch which is being used to access essential data about states and premium information quicker
- Followed the Agile dev cycle by participating in daily stand-ups and iteration meetings in order to complete work effectively

**Self Employed, Madison, WI** – *Stock and Options Trader*

Jun 2017 – Nov 2020

- Visualize stock charts and figure out trends to come up with weekly/monthly plans with specific limits
- Tail-hedged through the COVID-19 market crash while using news as my main factor for decisions
- Primarily trading options while managing Roth-IRA with returns above 430%
- Analyze quarterly financial documents/statements as well as figure out overall sentiment on FinTwit

**Kumon, Madison, WI** – *Math and Reading Tutor*

Jan 2016 – Oct 2018

- Focused on teaching students in high school advanced math such as Calculus AB and BC
- Graded math and reading benchmark tests while also giving efficient, constructive feedback
- Led the group of tutors in monthly meetings in order to prioritize what to teach and how to do it

## EXTRACURRICULARS

**Wisconsin Track Club, Madison, WI** – *Sprinter*

Sept 2019 – Present

- Travelled to events and participated in the 200-meter sprint, 400-meter sprint, and 1600-meter relay
- Led the section of 200/400-meter sprinters during warmups and practice

**JPMorgan Chase** – *Virtual Experience Program*

- Software Engineering – Implemented a localhost interface which displays data visually using JPMC frameworks
- Commercial Banking – Prepared capitalization tables, 10Y financial models, presentations, and other metrics

**Goldman Sachs** – *Virtual Experience Program*

- Software Engineering – Analyzed encrypted passwords to propose new policies to follow to secure information

**Citi Bank** – *Virtual Experience Program*

- Sales and Trading – Presented ideas to navigate through the market by analyzing covid news as well as examining the overall market condition to write up an analytical model which summarizes projections, news flow, and impacts on assets classes

## NOTABLE PROJECTS

- Created a full-stack application for Sentry to get information by integrating data from Excel files into a SQL Database and creating an API to call data and filter by user preference which would be shown on a specific page
  - Used Spring MVC framework to build the app. Utilized technologies such as Java, vanilla JavaScript with jQuery, HTML, XML, Hibernate framework for SQL Server connection. Dealt with all phases of the SDLC
- Developed a local java-based application which parses through csv of financial data and filters by user's choice
  - Participated in peer programming using GitHub for version control and source code management

## SKILLS

- Languages: Java, HTML, SQL, C, JavaScript, Python, CSS, Spring MVC
- Technologies: Jenkins, Jira, Bitbucket, Git, Gradle, Slack, Apache Tomcat, JFrog, SoapUI
- Working knowledge of ThinkOrSwim, Robinhood, and Fidelity trading platforms