

Harshit Arora

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Education

Bachelor of Science: Computer Engineering

The Pennsylvania State University, University Park, PA

2016 - 2020

GPA: 3.47/4.0

Work Experience

Software Developer, *Barclays Services Corp. – New York City, New York*

August 2020 – Present

- End to end development of java methods to perform essential tasks based on business needs. Analysed and assessed the business side to better understand the workflow and the product cycle.
- Configuring kdb+ databases for new features and data persistence, also integrated with java for a cohesive setup.
- Performed complete life cycle for testing and deployments of new components. Worked on environment stabilization post-deployment.
- Worked in cross functional teams to drive new changes and understand all aspects of the business.
- Aided in documentation using Confluence for easy access, and worked with development tools like TeamCity, JIRA.

Technology Advisory Intern, *Ernst and Young – Dallas, Texas*

June 2019 – August 2019

- Worked on various features for the android app, a location guiding service that would aid the client to manage its staff and customers to manage their work.
- Developed the low-level architecture using Kotlin Clean Architecture to improve the separation of code, have high level of abstraction, and efficient testing.
- Collaborated with the client directly and used the agile methodology via Jira to smooth out the deployment process.

Software Engineering Intern, *Hughes Network Systems – Germantown, Maryland*

June 2018 – August 2018

- Developed a geolocation tracking system using Java and JavaScript for the company's app and website for managing work orders, used by customers and installers all over the globe.
- Built the frontend that was focused on efficient battery usage and optimized for read/write functionality.
- Phased the project into parts for a successful migration into the current system being used and worked in an agile environment.

Academic Projects

Sales Management Software | Java, MySQL

- Developed a database software for keeping track of sales and company employee data.
- Solution aimed to make real estate management and property management easier for the user and their vendors.
- Frontend user interface developed using Java and the backend database using MySQL.

Flight Management System | Java, MySQL

- Devised a backend application aimed to book, cancel, and provide flight details for an efficient use case.
- Constructed backend the database using MySQL and java for the GUI frontend.

Research and Leadership

Machine Learning Research Assistant, *D.A.T.A. Lab*

January 2019 – May 2019

- Developed code in the field of reinforced neural networks to train data for predictive drawing, like the Google Sketch RNN Project.
- Worked in a team of two and under a Graduate student. Met the team weekly for updates and to discuss about the improvements for the code.
- Used Python and TensorFlow to develop and debug the algorithm.

President, *Penn State Cricket Club*

August 2016 – May 2020

- Achieved the highest tier status, from C to A, in the club hierarchy through an effective increase in the community service hours by 35% and in club socials by 20%.
- Increased incoming players by 30% through successful training sessions and promotion using the Facebook page.
- Hosted a biannual tournament for more than 170 players.

Technical Skills

Programming Languages: Java, Python, C/C++, Kotlin, Verilog, HTML, CSS, JavaScript

Database: MySQL, kdb+, Amazon AWS, Firebase, MariaDB

Software/Packages: Tomcat Apache, JIRA, Confluence, TeamCity, Bitbucket, Maven, Git