# Tushar Chawla

## Contact

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## Skills

### Programming Languages

Python, Java, C#, C++, Javascript, SQL, Bash, HTML, CSS, jQuery

### Libraries

Node.js, Express.js, React, React Native, Angular2, Ionic, Bootstrap, Django, Redis

### Technologies

MongoDB, MySQL, Firebase, Postman, Git, Perforce, Visual Studio, Android Studio

### Languages

English, Hindi, Punjabi

## Education

### Drexel University | Philadelphia, PA

2015 - 2019 (Anticipated)
BS in Computer Science
Cum. GPA: 3.76

### Specialization

Artificial Intelligence
Data Structures

## Achievements

### Drexel University

Dean's List: Fall 2015 - Current
AJ Drexel Scholarship: Fall 2015 - Current

## Interests

### Technology

Blockchain, Machine Learning, Virtual Reality, IoT (Internet of Things)

### Other

Chess, Table tennis, Squash, Badminton, Rock climbing, Volleyball

## Work Experience

### Drexel University | Philadelphia, PA

**Software Developer**                    January 2016 - Present

- Released an android application based on published research by Gabriela Marcu which gamifies the process of medication intake using smart reminder notifications and leaderboard points
- Architected, Developed and Tested Drexel's work and time tracking application's mobile, backend, and QR code system to increase accountability for current employees
- Currently, creating an online attendance and class interaction tool to streamline sign-ins and increase online participation in classes, seminars and conferences

### Susquehanna International Group LLP | Bala Cynwyd, PA

**Software Developer**                    April 2018 - September 2018

- Developed a highly customizable email monitoring system that allows developers to receive pages generated from added triggers; making response time instantaneous
- Created data flow pipelines that appended National Best Bid and Offer (NBBO) average-value prices to client orders for future data analysis and inspection
- Designed and implemented a real-time trade statistic view; empowering traders to better analyze profit and loss by providing accuracy and saving thousands of man hours

### Susquehanna International Group LLP | Bala Cynwyd, PA

**Software Developer**                    April 2017 - September 2017

- Developed the internal CRM (Content Resource Manager) for derivative pricing allowing traders to configure pricing schemes to leverage new information into making profits for the company
- Created a web application to visualize data flow for calculation of the expected prices of equities; thus providing transparency into the system to spot potential errors and preventing millions worth of potential losses
- Devised data pipelines that provide aggregation and pagination to deal with 5-10 million record database for use in internal consumer-facing pricing software

## Projects and Awards

**iFamily Alexa App**         Philly Codefest 2017 | Two Sponsor Awards
An Alexa app to keep in touch with your family by getting updates from their social media accounts, google calendar and phone's location

**Busbuddy**                         Philly Codefest 2016 | Top 10
Real-time tracking of Drexel shuttles with an alert system to notify users when they must leave from their current location to catch the bus

**FlickDeals**                         Drexel | Senior Design Project
Led a team of five to design and implement a mobile application for both Android and iOS that connects local businesses with users to explore professional offers around the area