Abir **Razzak**

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Work Experience

ECFMG (Educational Commission for Foreign Medical Graduates) *Remote*
SOFTWARE DEVELOPMENT & QA COMBO CO-OP *Mar. 2020 - Sept. 2020*

- Built & maintained Windows applications using C# and VB (Visual Basic) to handle foreign medical graduates information
- Maintained 10+ external-facing web pages via ASP.Net, HTML, & JavaScript addressing user bugs & monthly maintenance efforts
- Performed QA tasks such as migration testing, system testing, & load testing for VM upgrades, developer changes, & general maintenance
- Documented reoccurring company processes in an effort aid knowledge transfers & overall wiki documentation
- Worked as part of the Solution Delivery team in the Information Technology department consisting of members from the U.S. and India

Oracle Corporation *Conshohoken, Pennsylvania*
CO-OP APPLICATIONS ENGINEER *Sept. 2018 - Mar. 2019*

- Supported a cloud-integrated business management software for construction and engineering businesses, known as Oracle Prime
- Full stack development using JavaScript for client-side and Java for server-side development addressing user bugs & product enhancements
- Utilized unit testing frameworks such as JUnit, Mockito, and Selenium in Java for test driven development & improved continuous integration
- Worked as part of the Core Applications team in the Construction and Engineering Global Business Unit

Susquehanna International Group, LLP *Bala Cynwyd, Pennsylvania*
SOFTWARE DEVELOPER CO-OP / PART-TIME *Sept. 2017 - Sept. 2018*

- Developed internal Windows applications and web apps using C# & ASP.NET that supports daily operations for traders & developers
- Utilized REST API's & SMTP Mail Clients to build an automated alert system for developers on merge requests & related JIRA issues (JSDWebhook)
- Built a network crawler web app to check DLL version numbers for supported apps to ensure code base is up to date for releases (SFG Owl)
- Worked closely with the Derivatives & Equities teams at SFG (Susquehanna Financial Group) at SIG headquarters

Drexel University Office of Undergraduate Research *Philadelphia, Pennsylvania*
RESEARCH ASSISTANT & STAR SCHOLAR *Dec. 2016 - Sept. 2017*

- Wrote applications for Biomedical Informatics research testing the efficacy of a Facebook smoking cessation intervention
- Used the Facebook API to extract group data & format/save the data into JSON files using Java
- Visualized the information into interactive charts using D3.js, HTML, & JavaScript
- Started off as a research assistant for Dr. Christopher Yang, later accepted as 1 of 150 students to the STAR Scholars program
- Presented the application & research findings at the STAR Scholars gala at the end of the program

Education

Drexel University *Philadelphia, Pennsylvania*
Sept. 2016 - Jun. 2021
BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING *(Available for work Dec. 2020)*

- 3.42 GPA in the Three Co-Op Experiences, Five-Year Program
- STAR (Students Tackling Advanced Research) Scholar Program Participant 2016-17
- Peer Mentor & Dean's Ambassador for CCI (College of Computing and Informatics) 2017-18
- Internal Vice President & Event Coordinator for FISDU (Filipino Intercultural Society of Drexel University) 2018-19

Projects

Infectious Disease Control App *CHOP & Drexel University*
LEAD BACK-END DEVELOPER *Apr. 2020 - Present*

- Senior design project building an internal app for the Infection Prevention & Control team at CHOP (Children's Hospital of Philadelphia)
- Developing a RESTful Django server using Python hosted on AWS
- Designing and implementing a relational database using MariaDB, SQL, and MySQL
- Documenting the architecture and core of the back-end using ERD, UML, SDS, and SRS

Event Request Bot *FISDU & Drexel University*
PERSONAL PROJECT *Mar. 2019 - Jun. 2019*

- Personal bot used to fill out event request forms for Drexel student organizations
- Utilized the Selenium testing framework for Python to fill out web forms with repeating information
- Maintained and updated the project through GitHub issues and source control

PartyUp *Drexel University*
PROJECT LEAD & iOS DEVELOPER *Jan. 2017 - Jun. 2017*

- Freshman design project building an iOS application that manages local events and parties on campus
- Managed a team of 5 students implementing Waterfall methodologies
- Developed an iOS application using Swift and XCode