

# Omar Syed

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## EDUCATION

### Stony Brook University

August 2015 – May 2019

B.S. Computer Science, Applied Mathematics & Statistics

GPA: 3.48/4.0

Relevant Courses: Analysis of Algorithms and Data Structures, Cloud Computing, Computer Security Fundamentals, Intro to Data Science

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## PROJECTS

### INFOrum (Python/MySQL)

- Scalable and user-friendly Q&A forum, which allows users to ask, browse, and answer questions submitted by others
- Utilizes Django's user authentication API to allow account registration, verification via email, and authentication
- Django Templating Language displays data (questions, comments, etc.) retrieved by view from MySQL database

### Overdrive Comics (Java/MongoDB)

- Comic book creation site, which provides an outlet for comic book artists to expose their work and explore works by other artists
- Angular aesthetically enhances the UI and the LiterallyCanvas library provides tools for drawing custom comic books
- Spring Boot controllers handle user requests and interact with models to enact changes to MongoDB database

### Invoice Automation (Python)

- Web-scraper that automates process of creating invoice for over 20 customers on Squareup.com
- Exploits pandas library's functionality to convert excel data into a dataframe to allow for easy data manipulation
- Employs Selenium Webdriver to automatically create and send invoice from customer data in dataframe, saving two hours of work

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## EXPERIENCE

### Python Developer

July 2019 – Present

*Elixir Labs*

Remote

- Working with a team of developers, designers and project manager on a web app for a nonprofit called Pangea Network
- App reduces hassle for volunteers in areas with less internet access in Kenya by allowing them to administrate website via SMS
- Currently using Africa's Talking API to allow communication via SMS with Flask backend, which then interacts with SQLite database

### Computer Networks Teaching Assistant

September 2016 – January 2019

*Stony Brook University*

Stony Brook, NY

- Head undergraduate teaching assistant for Computer Networks and Intermediate Writing courses, each with over 100 students
- Enforced understanding of computer network fundamentals through Python assignments and one-on-one office hour meetings
- Helped raise students' writing portfolio passing rate to 95%, which led to professor receiving university teaching award

### Sportswear Associate

June 2017 – August 2017

*Burlington Coat Factory*

Yonkers, NY

- Handled customer inquiries and transactions in friendly manner, which led to twenty regular customers
- Reengineered sportswear section to make it safer and allow for more customer-friendly merchandise selection
- Raised over 2000 dollars for classroom supplies across America as part of franchise-wide Adopt-A-Classroom program

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## TECHNICAL SKILLS

- **Languages:** Python, Java, C, JavaScript, PHP, SQL, HTML/CSS
- **Frameworks:** Django, Flask, Spring Boot, Bootstrap, Angular
- **Databases:** MySQL, MongoDB, Cassandra
- **Cloud Services:** AWS, UpCloud, OpenStack
- **Tools:** JetBrains Suite, Eclipse, Git