

# Tyler Como

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## Education

### Georgia Institute of Technology

M.S. IN COMPUTER SCIENCE

- Specialization: Interactive Intelligence

Atlanta, Georgia (Online)

Expected Graduation: Dec 2019

### Slippery Rock University

B.S. IN INFORMATION TECHNOLOGY & B.S. IN INFORMATION SYSTEMS

- Overall GPA: 3.64

Slippery Rock, Pennsylvania

Graduated: May 2015

## Skills

**Languages** Python, C#, JavaScript, HTML, CSS, T-SQL

**Frameworks** .NET Framework, Django, React, GraphQL, Flask, Angular 2+, Semantic UI, Bootstrap, Apache Spark, Node.JS Express

**Databases** Microsoft SQL, MySQL, Redis, Azure CosmosDB

**Miscellaneous** Microsoft Azure, Amazon Web Services, Travis CI, Visual Studio Team Services, NPM, Git, Linux, Entity Framework, Swagger

## Experience

### Matric Group - Electronics Manufacturing

SOFTWARE DEVELOPER

Seneca, Pennsylvania

October 2015 - May 2018

- Developed applications and tools using Python and C# to create efficiencies within internal business processes.
- Designed RESTful API's that are used internally for single-page web applications and externally for data transfer with customers and vendors.
- Maintained and refactored legacy applications including but not limited to .NET MVC, Web Forms, and Windows Forms.
- Managed the migration from on-premise application hosting to Microsoft Azure cloud-based hosting.
- Transitioned department to adopt an agile software development lifecycle using continuous integration and continuous deployment.
- Developed multi-tenant customer web portal that enables users to download documents, and retrieve order information.
- Designed product lifecycle management web application that reduced the average time to complete business process by 80 percent when compared to the previous software solution.

## Projects

### Movie Rental Application

April 2018

PYTHON, DJANGO, REACT, GRAPHQL, MYSQL, REDIS, APOLLO, AMAZON WEB SERVICES, TRAVIS CI, EXTERNAL APIS

[github/tycomo/movie-rental-react-graphql](https://github.com/tycomo/movie-rental-react-graphql)

- React web application that allows users to browse movies and simulate a movie rental.
- Movie data is retrieved from an external API and stored using Redis for caching.
- Front-end retrieves data using the Apollo framework connecting to a GraphQL endpoint built with Django and Graphene.
- Hosted using Amazon Web Services including the usage of CloudFront and Elastic Beanstalk.
- Uses Travis CI for Continuous Integration/Continuous Deployment.

### Spark Trending Hashtags

October 2017

APACHE SPARK, IONIC, NODE.JS EXPRESS, COSMOSDB, AZURE COGNITIVE SERVICES

[github/tycomo/spark-trending-hashtags](https://github.com/tycomo/spark-trending-hashtags)

- Progressive mobile/web application that uses Ionic Framework and Node.JS express.
- Apache Spark streams live Twitter data and writes popular hashtags to Microsoft Azure CosmosDB.
- Trending data is then displayed in real time inside the application.
- Uses AI from Microsoft Cognitive Services to find related images and news articles for the streamed data.

### Ravens Progressive Matrices

January 2018 - April 2018

PYTHON, NUMPY, PILLOW

[github/tycomo/kbai-ravens-matrices](https://github.com/tycomo/kbai-ravens-matrices)

- Python application that solves Ravens Progressive Matrices problems, a visual test given to humans that measures abstract reasoning.
- Spring 2018 semester project for Knowledge-Based Artificial Intelligence
- Uses concepts taught throughout the semester to process the transformation of shapes within images, find relationships, and select an answer.