

# Yogi Birbal

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## Education

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### Stony Brook University

Aug. 2016 - Dec. 2019

B.S. IN COMPUTER SCIENCE

- GPA: 3.85
- Deans List
- NYS STEM Incentive Scholarship Recipient

## Experience

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### Mutual of America Life Insurance Company

May 2018 - July 2018

SOFTWARE ENGINEERING INTERN

- Implemented a PowerShell program that determines who has access to the company's internal network.
- Modified existing Java back-end service to gather and store access statistics to a relational database.
- Revised AngularJS front-end to visualize company access statistics.

### Stony Brook University

Jan. 2018 - Present

TEACHING ASSISTANT: SYSTEM FUNDAMENTALS

- Taught classes of ~30 students the concepts of computer organization, MIPS architecture, and CPU design.
- Held weekly office hours and answered questions on Piazza for over 150 students.

## Projects

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### FaceMe

July 2018 - Present

NODE.JS | AWS IoT

- A computer vision application for a security camera that allows it to identify people with AWS DeepLens.
- Added ability for the camera to send an SNS notification to the owner via AWS IoT.

### MusicFind

June 2018 - Present

JAVASCRIPT

- A RESTful web application developed with Meteor to search for musical artists using the SoundCloud API.
- Created visualization for the resulting artists and albums.
- Linked to searched album on Spotify for a preview.

### Ecran

April 2018

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- A terminal multiplexer that allows users to create, access, and control multiple sessions.
- Implemented status bar for terminal statistics.
- Established split screen support.

### PinkTraveler

May 2018

NODE.JS | MYSQL

- A mock travel website developed with Express that allows users to reserve flights, hotels, and vacation activities.
- Developed relational data model and used it as a basis to deploy a cloud database.