

# Ray Sy

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## Skills

### Languages

Java • Python • JavaScript • HTML  
CSS • Shell • C • C++ • SQL • Dart

### Frameworks

React • Flutter • Firebase • PostgreSQL  
MongoDB • Mapbox • Git • Electron

### Design

Sketch • Photoshop • Illustrator  
AfterEffects • Premier • FCPX

## Links

Github:// [fireteam99](#)  
LinkedIn:// [ray-sy](#)  
Devpost:// [fireteam](#)  
Handshake:// [Ray Sy](#)

## Education

### B.S. in Computer Science

Rutgers University, New Brunswick, NJ  
Expected | May 2021  
GPA | 3.7  
Deans List | 2018 - Present

## Coursework

### Undergraduate

Design & Analysis of Algorithms  
Discrete Structures I & II  
Computer Architecture  
Prin Prog Languages  
Prin Info & Data Mgt  
Data Structures  
Linear Algebra  
Calculus I & II

## Activities

### Clubs

FizzBuzz | Tech Chair  
USACS | Member  
RUMAD | Member

### Game Modding

Cities Skylines  
Starcraft I & II  
Minecraft

## Experience

### Heat.wav | Technical Co-Founder

August 2018 - Present | New York, NY

- Implemented an efficient RESTful API using Node.js and MongoDB to handle CRUD operations on user and artist data.
- Created personalized music feeds using complex geospatial aggregation, stored music preferences, and client Geolocator services.
- Wrote comprehensive unit tests using Jest and configured continuous deployments using Travis Ci, Heroku, and Github.
- Used Facebook's Account Kit and Spotify's Client Credential Flow to securely authenticate and authorize users.

### iD Tech Camps | Instructor

June 2019 - August 2019 | Princeton, NJ

- Led engaging classes on Java programming and video-editing.
- Provided advanced technical support for all classes and troubleshooted and resolved hardware and software issues with computers, audio/video systems, etc.
- Communicated effectively with students of diverse backgrounds.

### James Jeon Films | Videographer & Editor

June 2015 - September 2017 | East Brunswick, NJ

- Learned and perfected advanced cinematography techniques.
- Crafted beautiful videos using professional editing software.
- Captured stunning aerial footage using drones.

### Rutgers FizzBuzz | Tech Chair

May 2019- Present | New Brunswick, NJ

- Creating an easy to use webapp to track attendance using QR codes.
- Helped organized mock technical interviews between students.

## Projects

### Project C.R.A.L. | Summer 2019

- Fully featured open source CLI that automates course registration for Rutgers University published on NPM.
- Utilized Commander.js and Inquirer.js to build an attractive and user-friendly UI including live notifications with node-notifier.

### Rescue | PennApps XVIII

- A webapp that connected rescuers and victims during natural disasters.
- Worked with Google Map's API and MongoDB to create a live interactive map.
- Utilized web sockets to provide real time messaging between users.

### Rutgers Course Searcher | Summer 2018

- An improved course search engine for Rutgers University written using Express, EJS, and PostgreSQL.
- Designed and implemented an engaging front-end from scratch.
- Created a solid commenting and rating system for users.