

BILLY TAN

Software Engineer

[Linkedin](#) • [Github](#) • btan7645@gmail.com

Brooklyn, NY 11219 • (347) 482-8531

TECHNICAL SKILLS

PROFICIENT: Javascript, Node.js, Express, React, React Native, Redux, PostgreSQL, HTML5, CSS, Sass, Git

KNOWLEDGEABLE: Heroku, Travis, CI/CD, TDD, OAuth, Socket.io

PROJECTS

GOLDEN KARAOKE | *Developer* | <https://github.com/cieltan/golden-ktv>

- Developed a full-stack web application that allows users to join rooms and karaoke together
- Contributed to socket integration for room/Youtube functionality
- Technologies: Node/Express, React, Redux, PostgreSQL, Sequelize, WebRTC, OpenTok API, Youtube Data API, Socket.io

STOPWATCH | *Sole Developer* | <https://github.com/cieltan/stopwatch>

- Developed a mobile transit application that alerts users when they are near their stops
- Implemented background execution, geofences, and push notifications for real-time updates
- Technologies: Flutter, Dart, Google Maps API, Geolocation API

EXPERIENCE

ASSISTANT INSTRUCTOR

Dec 2019 - Present

RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK

- Assisted in teaching an accelerated bootcamp covering web development principles and frameworks to a class of 30 computer science undergraduates at CUNY Hunter College (Hunter 2X Tech Initiative) which included tools and technologies such as Git, SQL, Javascript, Node, Express, React, Redux, PostgreSQL
- Responsibilities include: grading assignments and projects, curating curriculum content, debugging with students, and project management

INSTRUCTIONAL ASSOCIATE

Oct 2019 - Nov 2019

FULLSTACK ACADEMY OF CODE, *immersive software engineering bootcamp*

- Mentored 30+ students on engineering technical concepts, algorithms, software architecture, debugging strategies and writing clean code
- Held group/individual office hour sessions with a focus on Javascript and general computer science concepts

SOFTWARE ENGINEERING TEACHING FELLOW

May 2019 - Sep 2019

FULLSTACK ACADEMY OF CODE

- Mentored 40+ immersive software engineering students on engineering technical concepts, algorithms, software architecture, debugging strategies and writing clean code
- Led code reviews as the project manager on student projects
- Conducted technical admissions interviews for prospective students

EDUCATION

FULLSTACK ACADEMY OF CODE

2019

An immersive 17-week full stack web development bootcamp specializing in fullstack JavaScript with the following technologies: Node, Express, React/Redux, PostgreSQL

BINGHAMTON UNIVERSITY

2013 - 2016

B.A in Political Science