


Chanu Jonathan Choi

Fullstack Engineer @ Long Island, New York

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 [LinkedIn](#)

 [Github](#)

 [Portfolio](#)

Education

Binghamton University | Thomas J. Watson School of Engineering and Applied Science

Bachelor of Science in Computer Science | Overall GPA: 3.0/4.0

Aug 2015 - May 2019

- Watson Dean's List: Fall of 2016
- Data Structures and Algorithms, Advanced OOP, Design and Analysis of Algorithms

App Academy

Fullstack Web Development

Jan 2020 - May 2020

- Intensive 1000+ hour software developer curriculum
- < 3% acceptance rate

Skills

Languages: JavaScript | HTML5 | SCSS | Python | C++ | Java | Ruby | C

Tools, Frameworks & Libraries: Rails | React | Redux | Node.js | MongoDB | PostgreSQL | Git

Projects

Chillify | *JavaScript, Ruby on Rails, React, Redux, HTML5, SCSS*

[Live](#) | [Github](#)

- Constructed backend framework with Rails and PostgreSQL, utilizing the MVC architecture to efficiently handle database queries.
- Heightened speed and scalability through eager loading with AJAX requests to remove N + 1 queries.
- Integrated Redux with HTML5 media web components to create customized media playback for users.

Celestial Struggle | *JavaScript, CanvasHTML, CSS, HTML5*

[Live](#) | [Github](#)

- Developed layers of gaming logic through the implementation of keydown and keyup event listeners that moved objects on the window.
- Implemented CanvasHTML to draw images and animate movement onto the window for pleasant user experience.
- Designed program to be modular resulting in DRY and readable code.

fitChallenger | *JavaScript, React, Node.js, HTML5, CSS, MongoDB, Express*

[Live](#) | [Github](#)

- Connected frontend React components to the backend to create users and fitness challenges.
- Utilized MongoDB to store schema and tables for faster responses and better scalability.
- Implemented Express to improve efficiency and allow code reusability within the backend.

Experience

Web Developer Intern (unpaid) | *Global Health Impact*

Sept 2017 – Jan 2018

- Enhanced a website for a research organization that measures the impact of pharmaceutical products on global health.
- Compiled 1000 lines of code to design graphic data-visualizations of the global impacts of pharmaceutical products using SQLite.
- Incorporated Python Flask as a web server to improve user experience.

Lead Teacher | *APC Summer Camp*

Jun 2016 – Aug 2019

- Implemented NYS Common Core Math, ELA, and Writing curriculum for fifteen 6th grade students.
- Restructured the curriculum for the guitar elective, resulting in improved learning rates by the students.
- Oversaw a team of 3 other teachers and led weekly meetings to improve staff morale and unity.