Daniel Courtney

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LinkedIn | Github | My Website

EDUCATION

New York University   Graduated May 2021

Bachelor of Arts in Physics | Minors in Computer Science and Math

GPA: 3.49 | Major GPA: 3.53 | CS Minor GPA: 3.82

Laguardia High School of the Arts   Graduated June 2017

Advanced Regents diploma with an Arts Endorsement

WORK EXPERIENCE

Paysfer eMart   New York, NY

Software Engineer Intern   June 2021- July 2021

Built a responsive authentication page, navigation bar and header for the start-up ecommerce company. Wrote scripts which included creating an intersection observer to lazy load images on the home-page to reduce loading time.

Tony's Tacos   Floral Park, NY

Cashier, Busboy, Server   September 2020 - Present

Business affiliated with the Long Island famous Italian pizzeria Umbertos. Take orders, serve customers, clean and manage the organization of the front of the business.

404 Fitness   New York, NY

Fitness Monitor   September 2017 - May 2020

Ensure gym patrons follow rules, re-rack weights, clean machines, answer phones and questions, assist managers with daily gym operations.

RESEARCH EXPERIENCE

New York University   New York, NY

Soft Matter Physics Research Assistant to Professor David Grier   May 2019 - September 2019

Assisted Professor in his pursuit of acoustic tweezers. Built an echo proof area and took acoustic photographs to obtain an acoustic hologram to get a better understanding of acoustic waves interacting with objects.

PROJECTS

Tony's Tacos App   React, JavaScript, HTML, CSS

Food ordering app for Tony's Tacos restaurant. View menu and deals, create orders with custom modifiers, add to cart. Firebase authentication implementation and real-time database to store and change necessary data in real-time.

Sorting Visualizer   React, JavaScript, HTML ,CSS, Material-UI

A React.js app that uses material-ui to display some of the important sorting algorithms, such as, bubble sort, quick sort, merge sort, and heap sort. Three visual sorting speed settings, variable number of sorting bins and display of sorting performance.

Database Analysis Website   HTML, JavaScript, CSS, SQL

View, interact, and analyze a few MLB related databases with visual tables and graphs. Databases include: people who work for the MLB, players batting stats, players fielding stats, players batting stats. Player records date farther back than the official MLB website's database.

SKILLS

Java, Python, Numpy, Pandas, React.js, Node.js, Express.js, Redux, React-Native, MySQL, C, HTML, CSS, PHP, Bootstrap, Material-UI, JavaScript, SQL, GraphQL, REST, TypeORM, Data Structures, Object-oriented Programming, Operating Systems, Linear Algebra, Probability & Statistics, Multivariable Calculus, Microsoft Office, Italian