

# JAMES NICHOLAS BUTTERFIELD

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## Education

**Colgate University**, Bachelor of Arts, summa cum laude with honors in computer science May 2023

- ❖ Major: Computer Science | Minor: Creative Writing | GPA: 3.90/4.00 | GPA in Major: 3.96/4.00
- ❖ Dean's Award for Academic Excellence (Spring 2020), with Distinction (all remaining eligible semesters)

## Computing and Technical Summary

**Proficient:** Java, Javascript, C, HTML5, CSS3

**Experienced:** Python, Node.js, Express.js, SQL, MongoDB, React.js, JQuery, P5.js, D3.js

**Relevant courses:** Full Stack Software Engineering (Independent Study), Data Visualization, Intro to Cryptography, Data Structures and Algorithms, Discrete Structures, Intro to Computer Systems, Intro to Computing II

**Full Stack Web Application - HTML, CSS, Javascript, MongoDB, Node.js, Express.js** Spring 2023

- ❖ Self-designed project that combines front-end, back-end, and server-side skills to create a user facing web application, called FoodFolio, that allows users to create, display, and view their own recipes as well as others.

**Movie Data Map - HTML, CSS, Javascript, D3.js** Data Visualization, Colgate University Spring 2023

- ❖ An interactive, force directed graph that draws edges between movie nodes based on their shared actors and uses a k-means algorithm to create different colored, distance based groups, making the graph easily readable to viewers.

**Enigma Machine Encryption - Java**, Intro to Cryptography, Colgate University Fall 2022

- ❖ Models the encryption scheme of a single-rotor version of WWII's German Enigma machine, using HashMaps, helper functions, and iterators to encrypt and decrypt user input.

**Binary Calculator Project - C**, Intro to Computer Systems, Colgate University Spring 2021

- ❖ Created a calculator capable of conducting binary arithmetic on any given equation by parsing through it to compute a result using a series of arrays, conditional and iterative statements, and method calls.

**MagicMan Scrolling Game - Java**, Intro to Computing II, Colgate University Fall 2019

- ❖ Analyzed base code for a Scrolling Game and added functionality such as, complex win conditions, dynamic obstacles/objects to engage with, and user controlled projectiles, by traversing a given 2 dimensional array.

## Work Experience

**Quinn Emanuel Urquhart & Sullivan, LLP** - Paralegal Clerk - New York, NY

Summer 2021

**Junior Summer Camp Bonnie Briar Country Club** - Tennis Instructor - Larchmont, NY

Summer 2018 & 2019

## Additional Skills & Interests

**Software:** Microsoft Office, Photoshop

**Social Media:** Instagram, Snapchat, Facebook, Youtube

**Interests:** Fiction/nonfiction Creative Writing, Photography, Weight Training, Cooking, Guitar, Music, Tennis.