JAMES NICHOLAS BUTTERFIELD

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Education

Colgate University, Bachelor of Arts Hamilton, NY May 2023

- Major: Computer Science Minor: Creative Writing Cumulative GPA: (3.86/4.00)
- 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.