Rachel Ombok

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EXPERIENCE

Alteryx - Growth Team   July 2022 – June 2024
Software Engineer   *New York, NY*
- Implemented customer-centric features like Intercom chat messenger and a streamlined trial registration process, driving an increase in user activation for Alteryx Analytics Cloud platform
- Spearheaded the development and launch of a Partner Connect integration between Alteryx's Designer Cloud and Databricks, enabling seamless data transfer and a unified user experience between the two platforms
- Contributed to an increase of 1000 monthly trial sign-ups to Alteryx Analytics Cloud by optimizing usability and implementing user growth features

Twitter - Embed Client Team   June 2021 – Aug 2021
Software Engineering Intern   *San Francisco, CA*
- Developed a Reply Prompt box prototype for embedded Tweets using **React** to introduce more non-users to the Twitter platform
- Conducted a user experiment to evaluate an alternative prompt box design, resulting in a 7.5% increase in conversion clicks to on-platform content
- Prototyped and tested a solution for Video Embeds that boosted conversion rates and user engagement with embedded Tweets containing videos

Georgia Tech Research Experience for Undergraduates - COV-IDEAS   June 2020 – Dec 2020
Research Intern   *Atlanta, GA*
- Conducted research for building a prediction market for the coronavirus pandemic by aggregating public health forecast data
- Built an interactive COVID-19 forecasting website with **React** and **Flask** that allows users to predict future pandemic-related metrics and stores their predictions securely in a **MongoDB** database

NYU Game Innovation Lab   Feb 2020 – Aug 2020
Research Intern   *Brooklyn, NY*
- Developed general game-playing AI agents for The Sims 4 using a quality diversity evolutionary algorithm
- Coded **C++** program that simulates a Sim and in-game objects and analyzes how they affect a Sims' mood and environment
- Authored and published a research paper from analyzed and interpreted novelty search experiment results, and presented findings at AIIDE 2020 conference

TECHNICAL SKILLS

Technical: Javascript, React, Node.js, Progressive Web Development(HTML,CSS,Javascript), Python, Typescript, C++, Flask
Software: Heroku, Netlify, VS Code, Autodesk Maya

PROJECTS

JustShoot | *MongoDB, Express, React, Node.js, Heroku, Netlify*   August 2023
- A responsive web application for users to find locations for photoshoots utilising **MapBox API** and **multer-s3** storage engine

HandyMap | *Java, Python*   October 2019
- Coded backend of Android application that identifies wheelchair accessible entrances on the MIT & Boston University campuses
- Programmed scenes in **Java** that iterated through latitude-longitude coordinates, and mapped them using the **Google Maps API**
- Winner of Best Assistive Tech Project & placed Top 10 against 200+ teams at HackMIT 2019

EDUCATION

New York University, Tandon School of Engineering   Aug. 2018 – May 2022
Bachelor of Science, Computer Science, Minor in Game Engineering   *Brooklyn, NY*
Honors: Recipient of Nick Russo Award for Outstanding General Engineering Design, Grace Hopper Celebration Scholarship Recipient 2020
Relevant Coursework: Object Oriented Programming (**C++**), Data Structures and Algorithms (**Python**), Discrete Mathematics, Data Analysis, Computer Architecture and Organization, Design and Analysis of Algorithms, Operating Systems (**C**), Linear Algebra and Differential Equations, Software Engineering, Interactive Computer Graphics, Human Computer Interaction, 3D Modeling(**Maya**), Java & Web Design(**Java**)

LEADERSHIP

NYU Girls Who Code College Loop | *Founder & President*   October 2019 – May 2022
- Recruited members, planned meetings, managed logistics, and served as the point of contact with Girls Who Code organization
- Supervised monthly challenges that hone computer science skills, and provide professional development opportunities with industry professionals and Girls Who Code corporate partners
- Recognized as an exceptional leader within the Girls Who Code community by receiving the prestigious Reshma Saujani Girls First Leadership Award, for my participation in many different Girls Who Code initiatives