

Elan Cooper

ejc2188@columbia.edu | (901) 292-5283 | elanjcoop.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Columbia University, Columbia College, New York, NY Expected May 2022
Bachelor of Arts in Computer Science
Relevant Coursework: Clean Object-Oriented Design, Artificial Intelligence, Advanced Programming, 3D User Interface Design, Data Structures & Algorithms, Computer Science Theory, Fundamentals of Computer Systems, Introduction to Databases

EXPERIENCE

Publicis Sapient, New York, NY June 2021 – August 2021
Software Engineering Intern

- Designed database scheme of scheduling program for grocery market chain with over 2,000 nationwide stores in order to optimize advertisement delivery in stores
- Led front-end team on web-based, ReactJS solution for large-scale schedule management with click-through data analytics
- Created and presented volunteer website showcasing fast-fashion and its environmental dangers

Bimble Beverages, Remote Internship June 2020 – August 2020
Software and Design Intern

- Worked directly with founders to re-engineer full-stack solution for company website to improve brand visibility
- Enhanced and upgraded functionality to website including subscribe-and-save feature, new Shopify-led design

PERSONAL PROJECTS

Maze Generation and Traversal March – April 2022
Unity XR Project

- Unity-developed program for generating mazes in an 11x3x11 discretized virtual reality environment via advanced user-interface VR fundamentals for selection, manipulation, undo and redo
- Maze could then be exported into and traversed in augmented reality with player physics and touch-input interaction

PCPartPicker.com Build Analyzer October 2020 – November 2020
Github Project

- Created Python program that analyzes a user's prospective computer build and highlights which components of the system have budget discrepancies, based on an algorithm formed by scraping 3,000 of the highest rated builds
- Allowed for user input of a pcpartpicker.com link, which is then scraped for component pricing via the BeautifulSoup API

LEADERSHIP & COMMUNITY INVOLVEMENT

OnLine at Columbia, New York, NY September 2020 – Present
President

- Founded student-run group dedicated to helping students stay connected in their remote-learning environments
- Assisted students' issues with technology consulting and IT support

Peace by Peace at Columbia, New York, NY September 2019 – Present
Volunteer

- Volunteer teaching conflict resolution at underprivileged elementary schools, teaching an average of 20 students

SKILLS & INTERESTS

Languages: Hebrew (Intermediate)

Technical: Java (Native Fluency), JavaScript (React, jQuery), Python (Experienced), SQL (Postgre, MySQL)

Interests: Web Design, PC Building, Video Game Modification, Sports Analytics, Professional Gaming, Video Production