

# Elan Cooper

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## 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

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## 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
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## 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
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## 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
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## 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