

Rachel Gayle Markowitz

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EDUCATION

The University of Pennsylvania

Philadelphia, PA

Bachelor of Arts in Philosophy, Politics, and Economics (PPE); Computer Science, Cognitive Science minors

Expected May 2022

- **Cumulative GPA:** 3.66
- **Honors:** Dean's List 2018-2019
- **Relevant Coursework:** Programming Languages & Techniques I (Java, OCaml), Mathematical Foundations of Computer Science, Data Structures & Algorithms (Java), Python Programming, Data Visualization (Python)

Bronx High School of Science

Bronx, NY

High School Diploma

June 2018

- **Cumulative GPA:** 96.1/100 | ACT: 35/36 | Math SAT II: 750/800 | US History SAT II: 750/800
- **Research:** Analyzed NASA-funded project examining mechanisms for raising STEM engagement in rural areas

WORK EXPERIENCE

Girls Who Code

Remote

Summer Immersion Program Teaching Assistant

June 2020 – Present

- Taught fundamentals of web development in HTML, CSS, and JavaScript to 35 high school students
- Led daily stand up and wrap up meetings, and facilitated sisterhood activities to create a welcoming and inclusive community
- Engaged students in virtual learning through creative dialogue and activities

Penn Engineering Department of Computer Science

Philadelphia, PA

CIS 110: Introduction to Computer Programming Teaching Assistant

August 2019 – Present

- Lead weekly recitations of 20 students, reinforcing conceptual understanding of computer science fundamentals
- Work closely with students to debug code, providing clear and concise feedback
- Grade weekly Java homework assignments and exams

CoBARE

Philadelphia, PA

Social Media Specialist

Jan 2019 – June 2019

- Led online campaigns across Instagram and Facebook to drive greater brand awareness and reach audience targets
- Developed social media A/B testing strategy for sustainable feminine care start-up
- Supported team in the brand development process through market research and discussion with the founder

Camps Kenwood & Evergreen

Wilmot, NH

Camp Counselor

Summers 2017 – 2019

- Taught unit of 20 children 21st Century Skills such as communication, collaboration, leadership, creativity, critical thinking, problem-solving, work ethic and responsibility through traditional summer camp and team-building activities for three summers

Figure Skating in Harlem.

New York, NY

Assistant Teacher/Figure Skating Instructor

June 2016 – Aug 2016

- Provided skating group instruction along with academic help in reading, math, and science for 15 underprivileged girls.

LEADERSHIP & ACTIVITIES

Jewish Heritage Programs

Philadelphia, PA

Vice President, Content & Board Member

Sept 2018 – Present

- Plan and lead campus-wide community event for 2,000 Penn students
- Help execute mentoring, social, and community service events for 150 member club

34th Street Magazine

Philadelphia, PA

Audience Engagement Associate

Jan 2019 – May 2020

- Developed social media copy for Facebook and Twitter to drive online audience engagement
- Developed and grew reach of weekly newsletter, *The Toast*, with current week's best articles
- Analyzed website data using Google Analytics, studying reach and click rates, and used insight to grow user viewership by 20%

Congregation Rodeph Sholom

New York, NY

Youth Group President, Fundraising Vice President & Board Member

2014 – 2018

- Elected to work with staff and students to create programs for 3,000 member congregation
- Organized annual fundraising event, Beit Cafe with over 100 attendees

TECHNICAL PROJECTS

rachelmarkowitz.com

- Personal website designed from scratch using HTML5, CSS3, and JavaScript. Hosted on GitHub Pages.

SKILLS & INTERESTS

- **Programming Languages/Technologies:** Java, HTML, CSS, Python, JavaScript, OCaml
- **Other:** Google Analytics, Photoshop, SPSS, Spanish
- **Interests:** Figure skating, running, fantasy football, journalism