

# Tristan Cole Bacani

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## EDUCATION

**Stevens Institute of Technology**, Hoboken, NJ Expected: May, 2023  
Bachelor of Engineering: Major: Mechanical Engineering, Minor: Biomedical Engineering Cumulative GPA: 3.59/4.00  
**Relevant Coursework:** Engineering Design I, Engineering Design II, Engineering Graphics, Introduction to Entrepreneurial Thinking  
**Honors/Awards:** Dean's List  
**Scholarships:** Edwin A. Stevens Scholarship, Martha Bayard Stevens Scholarship, Presidential Scholarship

## SKILLS & INTERESTS

**Programming:** Intermediate in C++, CSS, Java, HTML

**Technologies:** Intermediate in Additive Manufacturing/3D Printing, Arduino, Google Suite (Docs, Forms, Sheets & Slides), NI LabVIEW, Microsoft Applications (Excel, Word, PowerPoint & Outlook), SOLIDWORKS

**Interests:** Entrepreneurship, Music (Singing, Piano, & Ukulele), Writing (Creative & Analytical)

## PROFESSIONAL EXPERIENCE

**Musculoskeletal Control and Dynamics Lab**, Hoboken / Virtual, NJ May, 2020–July 2020

*Research Assistant*

- Lead a research project on sonification and created a literature review of best sound designs for biomechanical study
- Lead an evaluation of research papers for the 7th International Conference on Movement and Computing (MOCO'20)

**bwe kafe**, Hoboken, NJ

January 2020 – Present

*Front and Cashier*

- Provided friendly and professional customer service in a fast paced environment

**Other Professional Experience:** Hostess at Mendocino Farms, TA for Programming in Java class at UC Berkeley's Academic Talent Development Program, Lifeguard at The WAVE

## LEADERSHIP & AFFILIATIONS

**Filipino Association of Stevens Institute of Tech (FAST)**, Hoboken, NJ

September 2019 – Present

*Treasurer (2020 – 2021)*

- Allocated \$6,204 fall budget to various on-campus events from weekly meetings to fundraisers
- Facilitated spending by other executive board members for events

**Stevens A Cappella**, Hoboken, NJ

September 2019 – Present

*Publicity Manager (2020 – 2021)*

- Increased awareness of club on campus through publicity on and off campus
- Managed and created social media accounts for the group
- Raised \$200 for Black Organizing Leadership and Dignity (BOLD) over a 24 hour timeline

**The Stute (School Newspaper)**, Hoboken, NJ

September 2019 – Present

*Columnist*

- Writer for the school newspaper
- Reviewer of movies for weekly column called SPOILER ALERT

**Other Affiliations:** Biomedical Engineers Society (BMES), Society of Asian Scientists and Engineers (SASE), Society of Women Engineers (SWE), Stevens Choir

## PROJECTS

**150 for 150**, Hoboken/Virtual, NJ

May 2020 – Present

*Organizing Committee Member – Marketing Committee*

- Created marketing tools for service project aimed to teach 150 lessons about STEM to K-12 students from 2020 - 2021

**COVID HealthHack**, Hoboken/Virtual, NJ

April 2020

*Participant*

- 1 out of 12 finalists for the COVID HealthHack Hackathon
- Co-Creator of <https://covidpolicies.herokuapp.com/>, a dynamic map that shows the trends of the COVID-19 virus as well as the public health policies resulting from the pandemic
- Used HTML, CSS, Java, Flask and Google Maps API to create. Hosted on Heroku