

Tristan Cole Bacani

Hoboken NJ 07030 • tbacani@stevens.edu • 925.967.8675 • tristancolebacani.me • linkedin.com/in/tristanbacani

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: Beginner in C++, MATLAB; Intermediate in CSS, HTML, Java
Technologies: Beginner in Additive Manufacturing/3D Printing, Arduino; Intermediate in 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 40 research papers to be published 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 outreach 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